



GTX300085 T Cell Signaling Antibody Panel

Content

Cat No	Product Name	Applications	Package
GTX107641	ZAP70 antibody	IHC-P, WB	25 µl
GTX62106	ZAP70 (phospho Tyr292) antibody [EPR1073]	FACS, WB	25 µl
GTX62852	SLP-76 antibody [EPR2549(2)], C-term	ICC/IF, IHC-P, WB	25 µl
GTX61995	SLP76 (phospho Tyr145) antibody [EP2853Y]	FACS, WB	25 µl
GTX61143	LAT antibody [Y109]	FACS, IHC-P, IP, WB	25 µl
GTX61080	LAT (phospho Tyr191) antibody [E225]	ICC/IF, IHC-P, IP, WB	25 µl
GTX101275	Lck antibody [C1C3]	WB	25 µl
GTX61801	LCK (phospho Tyr505) antibody [EP2158Y]	WB	25 µl
GTX213110-01	Rabbit IgG antibody (HRP)	Dot, ELISA, WB	25 µl

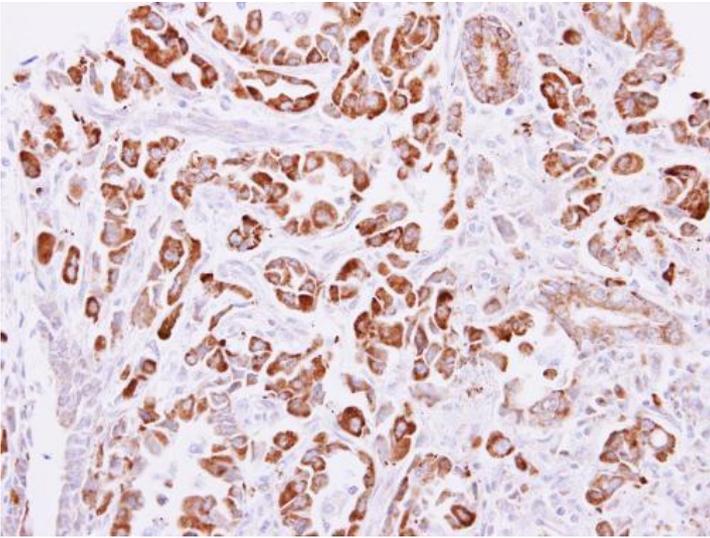
Note

For *In vitro* laboratory use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption.

DataSheet - 1

Catalog Number	GTX107641	Package:25 µl,100 µl		
Product Name	ZAP70 antibody			
Full Name	zeta-chain (TCR) associated protein kinase 70kDa			
Synonyms	FLJ17670 antibody, FLJ17679 antibody, SRK antibody, STD antibody, TZK antibody, ZAP-70 antibody, ZAP70 antibody, tyrosine-protein kinase ZAP-70 antibody, 70 kDa zeta-chain associated protein antibody, zeta-chain associated protein kinase, 70kD antibody, syk-related tyrosine kinase antibody, 70 kDa zeta-associated protein antibody, zeta-chain (TCR) associated protein kinase 70kDa antibody			
Product Description	Rabbit Polyclonal antibody to ZAP70 (zeta-chain (TCR) associated protein kinase 70kDa)			
Background	This gene encodes an enzyme belonging to the protein tyrosine kinase family, and it plays a role in T-cell development and lymphocyte activation. This enzyme, which is phosphorylated on tyrosine residues upon T-cell antigen receptor (TCR) stimulation, functions in the initial step of TCR-mediated signal transduction in combination with the Src family kinases, Lck and Fyn. This enzyme is also essential for thymocyte development. Mutations in this gene cause selective T-cell defect, a severe combined immunodeficiency disease characterized by a selective absence of CD8-positive T-cells. Two transcript variants that encode different isoforms have been found for this gene. [provided by RefSeq]			
Host	Rabbit			
Clonality	Polyclonal			
Immunogen	Recombinant fragment corresponding to a region within amino acids 1 and 331 of ZAP70 (Uniprot ID#P43403)			
Antigen Species	Human			
Species Reactivity	Human			
Applications	IHC-P, WB			
		Suggested dilution	Protocol	Reference
	IHC (Formalin-fixed paraffin-embedded sections)	1:100-1:1000*		

Application Note	Western blot	1:500-1:3000*
	Not tested in other applications. *Optimal dilutions/concentrations should be determined by the researcher.	
Positive Controls	Molt-4	
Predicted Target Size	70 kDa	
Cellular Localization	Cytoplasm (By similarity)	
Form Supplied	Liquid	
Purification	Purified by antigen-affinity chromatography.	
Concentration	0.85 mg/ml	
Storage Buffer	0.1M Tris, 0.1M Glycine, 10% Glycerol (pH7). 0.01% Thimerosal was added as a preservative.	
Storage Instruction	Keep as concentrated solution. Aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.	
Notes	For <i>In vitro</i> laboratory use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption.	
ResearchArea	Immunology > Adaptive Immunity > T cell > Development-Selection	

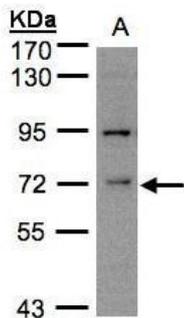


GTX107641 IHC-P Image

ZAP70 antibody detects ZAP70 protein at cytoplasm on Lung carcinoma by immunohistochemical analysis.

Sample: Paraffin-embedded Lung carcinoma.

ZAP70 antibody (GTX107641) dilution: 1:250.



GTX107641 WB Image

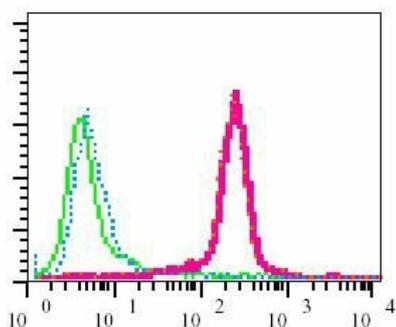
Sample(30 ug whole cell lysate)

A: MOLT4 (GTX27912)

7.5% SDS PAGE

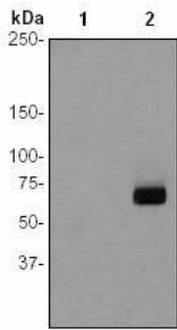
GTX107641 diluted at 1:1000

Catalog Number	GTX62106	Package:100 µl
Product Name	ZAP70 (phospho Tyr292) antibody [EPR1073]	
Full Name	zeta-chain (TCR) associated protein kinase 70kDa	
Synonyms	ZAP-70 Antibody , STCD Antibody , zeta-chain (TCR) associated protein kinase 70kDa Antibody , TZK Antibody , STD Antibody , SRK Antibody , ZAP70 Antibody	
Product Description	Rabbit monoclonal antibody [EPR1073] to ZAP70 (phospho Tyr292)	
Specificity	This antibody only detects ZAP70 when phosphorylated at Tyrosine 292.	
Background	This gene encodes an enzyme belonging to the protein tyrosine kinase family, and it plays a role in T-cell development and lymphocyte activation. This enzyme, which is phosphorylated on tyrosine residues upon T-cell antigen receptor (TCR) stimulation, functions in the initial step of TCR-mediated signal transduction in combination with the Src family kinases, Lck and Fyn. This enzyme is also essential for thymocyte development. Mutations in this gene cause selective T-cell defect, a severe combined immunodeficiency disease characterized by a selective absence of CD8-positive T-cells. Two transcript variants that encode different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]	
Host	Rabbit	
Clonality	Monoclonal	
Clone Name	EPR1073	
Isotype	IgG	
Target	ZAP70 (phospho Tyr292)	
Immunogen	Synthetic phospho-specific peptide corresponding to residues surrounding Tyrosine 292 of human ZAP70	
Antigen Species	Human	
Species Reactivity	Human	
Applications	FACS, WB	
Form Supplied	Liquid	
Purification	Tissue culture supernatant	
Storage Buffer	PBS containing 50% Glycerol, 0.05% BSA and 0.01% Sodium azide.	
Storage Instruction	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.	
Notes	For <i>In vitro</i> laboratory use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption. RabMAb® technology is covered by the following U.S. Patents, No. 5,675,063 and/or 7,429,487.	
ResearchArea	Immunology > Adaptive Immunity > T cell > Development-Selection	



GTX62106 FACS Image

FACS analysis of untreated (green) and pervanadate-treated (red) Jurkat cells using ZAP70 (phospho Tyr292) antibody [EPR1073] at a dilution of 1:20. Control experiment was also performed using pervanadate-treated Jurkat cells and the same antibody preincubated with either phospho ZAP70 peptide (blue) or non-phospho ZAP70 peptide (orange).

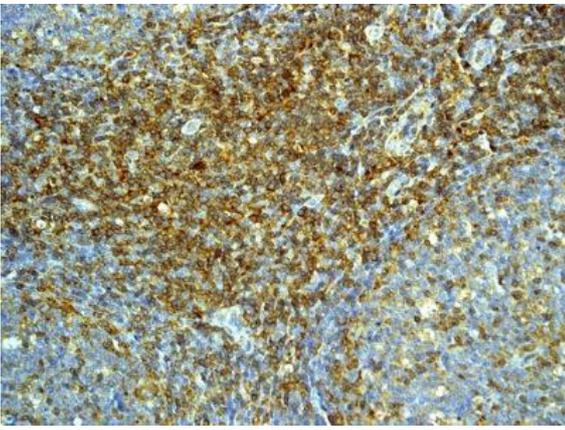


GTX62106 WB Image

WB analysis of lysates from (1) untreated and (2) pervanadate-treated Jurkat cells (10 µg per lane) using ZAP70 (phospho Tyr292) antibody [EPR1073] at a dilution of 1:10,000.

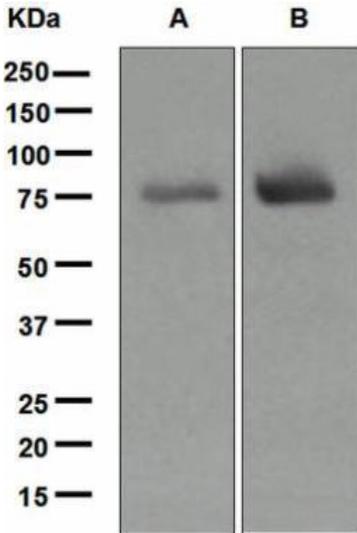
DataSheet - 3

Catalog Number	GTX62852	Package: 100 µl
Product Name	SLP-76 antibody [EPR2549(2)], C-term	
Full Name	lymphocyte cytosolic protein 2 (SH2 domain containing leukocyte protein of 76kDa)	
Synonyms	SLP76, SLP-76, LCP2, SLP 76	
Product Description	Rabbit monoclonal antibody [EPR2549(2)] to SLP-76	
Specificity	GTX62852 is specific for Human SLP-76.	
Background	<p>SLP-76 was originally identified as a substrate of the ZAP-70 protein tyrosine kinase following T cell receptor (TCR) ligation in the leukemic T cell line Jurkat. The NH₂-terminus contains an acidic region that includes a PEST domain and several tyrosine residues which are phosphorylated following TCR ligation. SLP-76 also contains a central proline-rich domain and a COOH-terminal SH2 domain. A number of additional proteins have been identified that associate with SLP-76 both constitutively and inducibly following receptor ligation, supporting the notion that SLP-76 functions as an adaptor or scaffold protein. Studies using SLP-76 deficient T cell lines or mice have provided strong evidence that SLP-76 plays a positive role in promoting T cell development and activation as well as mast cell and platelet function.</p>	
Host	Rabbit	
Clonality	Monoclonal	
Clone Name	EPR2549(2)	
Isotype	IgG	
Target	SLP-76	
Immunogen	A synthetic peptide corresponding to residues near the C-terminus of human SLP-76 was used as an immunogen.	
Antigen Species	Human	
Species Reactivity	Human, Mouse, Rat	
Applications	ICC/IF, IHC-P, WB	
Application Note	<p>Recommended Starting Dilutions: For ICC: Use at a dilution of 1:100 - 250 For IHC: Use at a dilution of 1:100 - 250 Optimal dilutions should be determined experimentally by the researcher.</p>	
Form Supplied	Liquid	
Purification	Cell Supernatant	
Storage Buffer	50 mM Tris-Glycine (pH 7.4), 0.15 M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% BSA.	
Storage Instruction	Store at -20 °C. Stable for 12 months from date of receipt.	
Notes	<p>For <i>In vitro</i> laboratory use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption. RabMAb® technology is covered by the following U.S. Patents, No. 5,675,063 and/or 7,429,487.</p>	



GTX62852 IHC-P Image

Immunohistochemical analysis of paraffin-embedded human tonsil tissue using anti-SLP-76 rabbit mAb (cat. #GTX62852).



GTX62852 WB Image

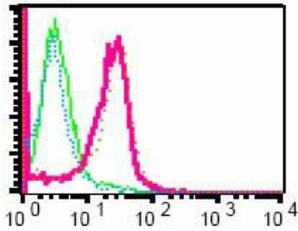
Western blot analysis on (A) Molt-4 and (B) HuT-78 cell lysates using anti-SLP-76 rabbit mAb (cat. #GTX62852).

DataSheet - 4

Catalog Number	GTX61995	Package: 100 µl
Product Name	SLP76 (phospho Tyr145) antibody [EP2853Y]	
Full Name	lymphocyte cytosolic protein 2 (SH2 domain containing leukocyte protein of 76kDa)	
Synonyms	lymphocyte cytosolic protein 2 (SH2 domain containing leukocyte protein of 76kDa) Antibody , SLP-76 Antibody , LCP2 Antibody , SLP76 Antibody	
Product Description	Rabbit monoclonal antibody [EP2853Y] to SLP76 (phospho Tyr145)	
Specificity	This antibody detects SLP76 phosphorylated on tyrosine 145.	
Background	<p>SLP-76 was originally identified as a substrate of the ZAP-70 protein tyrosine kinase following T cell receptor (TCR) ligation in the leukemic T cell line Jurkat. The SLP-76 locus has been localized to human chromosome 5q33 and the gene structure has been partially characterized in mice. The human and murine cDNAs both encode 533 amino acid proteins that are 72% identical and comprised of three modular domains. The NH₂-terminus contains an acidic region that includes a PEST domain and several tyrosine residues which are phosphorylated following TCR ligation. SLP-76 also contains a central proline-rich domain and a COOH-terminal SH2 domain. A number of additional proteins have been identified that associate with SLP-76 both constitutively and inducibly following receptor ligation, supporting the notion that SLP-76 functions as an adaptor or scaffold protein. Studies using SLP-76 deficient T cell lines or mice have provided strong evidence that SLP-76 plays a positive role in promoting T</p>	
Host	Rabbit	
Clonality	Monoclonal	
Clone Name	EP2853Y	
Isotype	IgG	
Target	SLP76 (phospho Tyr145)	

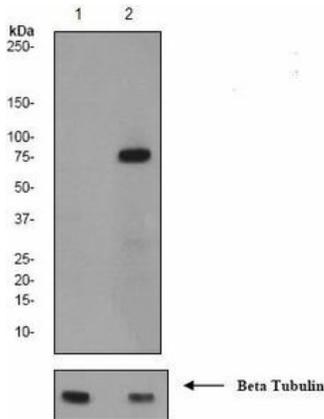
Immunogen	A phospho specific peptide corresponding to residues surrounding tyrosine 145 of human SLP76.
Antigen Species	Human
Species Reactivity	Human
Applications	FACS, WB
Form Supplied	Liquid
Purification	Tissue culture supernatant
Storage Buffer	PBS containing 50% Glycerol, 0.05% BSA and 0.01% Sodium azide.
Storage Instruction	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.

Notes
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GTx61995 FACS Image

FACS analysis of untreated (green) or pervanadate-treated (red) Jurkat cells using SLP76 (phospho Tyr145) antibody [EP2853Y] at a dilution of 1:100. Control experiment was also performed using pervanadate-treated Jurkat cells and the same antibody preincubated with either phospho SLP76 peptide (blue) or non-phospho SLP76 peptide (orange)



GTx61995 WB Image

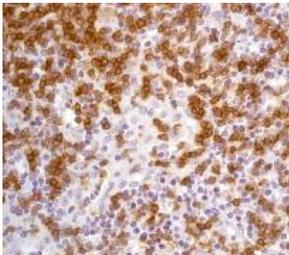
WB analysis of lysates from (1) untreated and (2) pervanadate-treated Jurkat cells using SLP76 (phospho Tyr145) antibody [EP2853Y] at a dilution of 1:200,000.

DataSheet - 5

Catalog Number	GTX61143	Package: 100 µl
Product Name	LAT antibody [Y109]	
Full Name	linker for activation of T cells	
Synonyms	pp36, LAT, LAT1	
Product Description	Rabbit monoclonal antibody [Y109] to LAT	
Specificity	This antibody detects both long and short forms of LAT.	

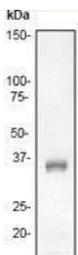
Background
 LAT (linker for activation of T-cells) is involved in the T-cell antigen receptor (TCR) signal transduction pathway, and may play an important role downstream in activating protein tyrosine kinases. LAT is phosphorylated by ZAP-70/Syk protein tyrosine kinases leading to recruitment of multiple signaling molecules. It has been found that Tyr191 and Tyr171 are required for T-cell activation and Tyr132 is required for the activation of PLCgamma1 and Ras signaling pathways, respectively. Tyr226 and Tyr191 are required for Vav binding, whereas Tyr171 and Tyr132 are necessary for association and activation of phosphoinositide 3-kinase activity and PLCgamma1.

Host	Rabbit
Clonality	Monoclonal
Clone Name	Y109
Isotype	IgG
Target	LAT
Immunogen	A synthetic peptide corresponding to residues surrounding GRB2-binding motif 2 of human LAT was used as immunogen.
Antigen Species	Human
Species Reactivity	Human
Applications	FACS, IHC-P, IP, WB
Application Note	<p>Recommended Starting Dilutions: For WB: Use at a dilution of 1:500 For IHC: Use at a dilution of 1:100 For FACS: Use at a dilution of 1:40 For IP: Use at a dilution of 1:60 Optimal working dilution for a specific application should be determined by the investigator.</p>
Predicted Target Size	36/38
Form Supplied	Liquid
Purification	Cell Supernatant
Storage Buffer	50 mM Tris-Glycine (pH 7.4), 0.15 M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% BSA.
Storage Instruction	Store at -20 °C. Stable for 12 months from date of receipt.
Notes	<p>For <i>In vitro</i> laboratory use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption.</p> <p>RabMAb® technology is covered by the following U.S. Patents, No. 5,675,063 and/or 7,429,487.</p>
ResearchArea	Neuroscience > Signaling > Calcium signaling Signal Transduction > Calcium Signaling



GTX61143 IHC-P Image

B. Immunohistochemical analysis of paraffin-embedded human lymph node using anti-LAT RabMAb (catalog #GTX61143).



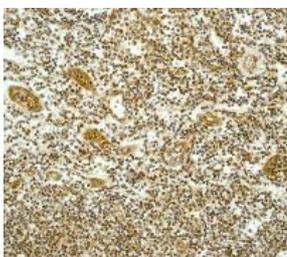
GTX61143 WB Image

A. Western blot analysis on Jurkat cell lysate using anti-LAT RabMAb (catalog #GTX61143) dilution 1:500

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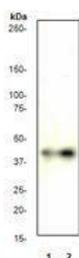
Catalog Number	GTX61080	Package: 100 µl
Product Name	LAT (phospho Tyr191) antibody [E225]	
Full Name	linker for activation of T cells	

Synonyms	pp36, LAT, LAT1, LAT (phospho Y191), LAT (phospho Tyr191), LAT (pY191), LAT (pTyr191), LAT phospho Y191, LAT phospho Tyr191, Phospho LAT (Y191), Phospho LAT (Tyr191), Phospho LAT (pY191), Phospho LAT (pTyr191)
Product Description	Rabbit monoclonal antibody [E225] to LAT (phospho Tyr191)
Specificity	The antibody only detects LAT phosphorylated on Tyrosine 191.
Background	LAT (linker for activation of T-cells) is involved in the T-cell antigen receptor (TCR) signal transduction pathway, and may play an important role downstream in activating protein tyrosine kinases . LAT is phosphorylated by ZAP-70/Syk protein tyrosine kinases leading to recruitment of multiple signaling molecules . It has been found that Tyr191 and Tyr171 are required for T-cell activation and Tyr132 is required for the activation of PLCgamma1 and Ras signaling pathways, respectively. Tyr226 and Tyr191 are required for Vav binding, whereas Tyr171 and Tyr132 are necessary for association and activation of phosphoinositide 3-kinase activity and PLCgamma1 .
Host	Rabbit
Clonality	Monoclonal
Clone Name	E225
Isotype	IgG
Target	LAT Phospho (pY191)
Immunogen	A synthetic phospho-peptide corresponding to residues surrounding Tyr191 of human LAT was used as immunogen.
Antigen Species	Human
Species Reactivity	Human, Mouse, Rat
Applications	ICC/IF, IHC-P, IP, WB
Application Note	<p>Recommended Starting Dilutions:</p> <p>For WB: Use at a dilution of 1:1,000-10,000</p> <p>For IHC: Use at a dilution of 1:50</p> <p>For ICC: Use at a dilution of 1:50</p> <p>For IP: Use at a dilution of 1:10</p> <p>Optimal working dilution for a specific application should be determined by the investigator.</p>
Predicted Target Size	36/38
Form Supplied	Liquid
Purification	Cell Supernatant
Storage Buffer	50 mM Tris-Glycine (pH 7.4), 0.15 M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% BSA.
Storage Instruction	Store at -20 °C. Stable for 12 months from date of receipt.
Notes	For <i>In vitro</i> laboratory use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption. RabMAb® technology is covered by the following U.S. Patents, No. 5,675,063 and/or 7,429,487.
ResearchArea	Neuroscience > Signaling > Calcium signaling Signal Transduction > Calcium Signaling



GTX61080 IHC-P Image

B. Immunohistochemical analysis of paraffin-embedded human tonsils using anti-Phospho-LAT (pY191) RabMAb (cat. #GTX61080).

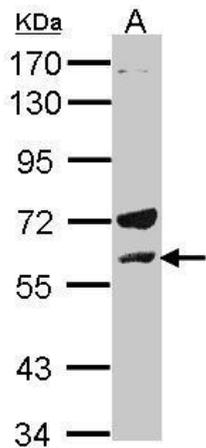


GTX61080 WB Image

A. Western blot analysis on Jurkat cell lysate using anti-Phospho-LAT (pY191) RabMAb (cat. #GTX61080); dilution 1:2000. (1) Jurkat plus anti-CDC and (2) Jurkat negative control.

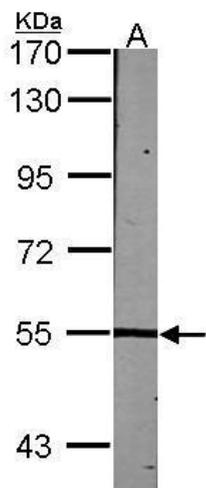
DataSheet - 7

Catalog Number	GTX101275	Package:25 µl,100 µl
Product Name	Lck antibody [C1C3]	
Full Name	lymphocyte-specific protein tyrosine kinase	
Synonyms	LSK antibody, YT16 antibody, p56lck antibody, pp58lck antibody, LCK antibody, t cell-specific protein-tyrosine kinase antibody, tyrosine-protein kinase Lck antibody, p56(LSTRA) protein-tyrosine kinase antibody, proto-oncogene tyrosine-protein kinase LCK antibody, leukocyte C-terminal Src kinase antibody, T-lymphocyte specific protein tyrosine kinase p56lck antibody, lymphocyte cell-specific protein-tyrosine kinase antibody, lymphocyte-specific protein tyrosine kinase antibody	
Product Description	Rabbit polyclonal antibody to Lck (lymphocyte-specific protein tyrosine kinase)	
Background	This gene is a member of the Src family of protein tyrosine kinases (PTKs). The encoded protein is a key signaling molecule in the selection and maturation of developing T-cells. It contains N-terminal sites for myristylation and palmitoylation, a PTK domain, and SH2 and SH3 domains which are involved in mediating protein-protein interactions with phosphotyrosine-containing and proline-rich motifs, respectively. The protein localizes to the plasma membrane and pericentrosomal vesicles, and binds to cell surface receptors, including CD4 and CD8, and other signaling molecules. Multiple alternatively spliced variants, encoding the same protein, have been described. [provided by RefSeq]	
Host	Rabbit	
Clonality	Polyclonal	
Isotype	IgG	
Target	Lck	
Immunogen	Recombinant fragment corresponding to a region within amino acids 311 and 509 of Lck (Uniprot ID#P06239)	
Antigen Species	Human	
Species Reactivity	Human, Mouse	
Predicted Cross Reactivity species	Pig, Rat, Zebrafish, Bovine	
Predict Reactivity Note	Pig (96%), Rat (97%), Zebrafish (85%), Bovine (97%)	
Applications	WB	
Application Note	Western blot	Suggested dilution 1:500-1:3000*
	Not tested in other applications. *Optimal dilutions/concentrations should be determined by the researcher.	
Positive Controls	H1299 , NIH-3T3	
Predicted Target Size	58 kDa	
Cellular Localization	Cytoplasm , Cell membrane; Lipid-anchor; Cytoplasmic side	
Form Supplied	Liquid	
Purification	Purified by antigen-affinity chromatography.	
Concentration	1 mg/ml	
Storage Buffer	0.1M Tris, 0.1M Glycine, 10% Glycerol (pH7). 0.01% Thimerosal was added as a preservative.	
Storage Instruction	Keep as concentrated solution. Aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.	
Notes	For <i>In vitro</i> laboratory use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption.	
ResearchArea	Immunology > Adaptive Immunity > T cell > Development-Selection Signal Transduction > Nuclear Signaling > NFkB Signal Transduction > Signaling through proteolysis > NFkB	



GTX101275 WB Image

Sample(30 µg of whole cell lysate)
 A:H1299
 7.5% SDS PAGE
 GTX101275 diluted at 1:500



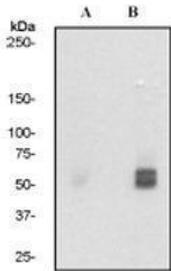
GTX101275 WB Image

Sample (30 ug of whole cell lysate)
 A:NIH-3T3
 7.5% SDS PAGE
 GTX101275 diluted at 1:1000

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Catalog Number	GTX61801	Package:100 µl
Product Name	LCK (phospho Tyr505) antibody [EP2158Y]	
Full Name	lymphocyte-specific protein tyrosine kinase	
Synonyms	LCK, YT16, p56lck, pp58lck, LSK, LCK (phospho Y505), LCK (phospho Tyr505), LCK (pY505), LCK (pTyr505), LCK phospho Y505, LCK phospho Tyr505, Phospho LCK (Y505), Phospho LCK (Tyr505), Phospho LCK (pY505), Phospho LCK (pTyr505)	
Product Description	Rabbit monoclonal antibody [EP2158Y] to LCK (phospho Tyr505)	
Background	The human T-cell or lymphocyte specific gene Lck/p56 is a member of the Src family of non-receptors tyrosine kinase. Mostly expressed in T cells, Lck has been shown to be critical for the normal development of T lymphocytes . Additionally, the N-terminal region of the tyrosine kinase Lck interacts with the cytoplasmic domains of CD4 and CD8 . Autophosphorylation at Tyr-394 appears to be required for maximum catalytic activity but it can also be suppressed by phosphorylation of the carboxyl-terminal tyrosine Tyr-505 .	
Host	Rabbit	
Clonality	Monoclonal	

Clone Name	EP2158Y
Isotype	IgG
Target	LCK Phospho (pY505)
Immunogen	A synthetic phospho-peptide corresponding to residues surrounding Tyrosine 505 of human LCK was used as immunogen.
Antigen Species	Human
Species Reactivity	Human, Mouse
Applications	WB
Application Note	<p>Recommended Starting Dilutions:</p> <p>For WB: Use at a dilution of 1:: 1,000 - 10,000</p> <p>Optimal working dilution for a specific application should be determined by the investigator.</p>
Predicted Target Size	56
Form Supplied	Liquid
Purification	Cell Supernatant
Storage Buffer	50 mM Tris-Glycine (pH 7.4), 0.15 M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% BSA.
Storage Instruction	Store at -20 °C. Stable for 12 months from date of receipt.
Notes	<p>For <i>In vitro</i> laboratory use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption.</p> <p>RabMAb® technology is covered by the following U.S. Patents, No. 5,675,063 and/or 7,429,487.</p>
ResearchArea	<p>Immunology > Adaptive Immunity > T cell > Development-Selection</p> <p>Signal Transduction > Nuclear Signaling > NFkB</p> <p>Signal Transduction > Signaling through proteolysis > NFkB</p>



GTx61801 WB Image

A. Western blot analysis on Jurkat cell lysates using anti-Phospho-LCK (pY505) RabMAb (cat. #GTx61801) 1:10000 dilution. Cells were either (A) untreated (B) treated with AP.

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Catalog Number	GTx213110-01	Package:1 ml	Reference (22)
Product Name	Rabbit IgG antibody (HRP)		
Synonyms	antiRabbit IgG antibody, anti-Rabbit IgG antibody, Goat antiRabbit IgG HRP, Rabbit IgG secondary antibody, Goat anti-Rabbit IgG HRP, anti Rabbit IgG antibody, Goat anti Rabbit IgG HRP		
Product Description	HRP-conjugated Goat anti-Rabbit IgG polyclonal antibody		
Background	<p>Immunoglobulin G (IgG), is one of the most abundant proteins in serum with normal levels between 8-17 mg/ml in adult blood. IgG is important for our defence against microorganisms and the molecules are produced by B lymphocytes as a part of our adaptive immune response. The IgG molecule has two separate functions; to bind to the pathogen that elicited the response and to recruit other cells and molecules to destroy the antigen. The variability of the IgG pool is generated by somatic recombination and the number of specificities in an individual at a given time point is estimated to be 1011 variants.</p>		
Host	Goat		
Clonality	Polyclonal		
Isotype	IgG		
Target	Rabbit IgG		

Immunogen Highly purified whole rabbit IgG

Antigen Species Rabbit

Cross Reactivity Note Rabbit

Applications Dot, ELISA, WB

	Suggested dilution	Protocol	Reference
Dot blot	*		
ELISA	*		
Western blot	*		

Application Note

Not tested in other applications.

*Optimal dilutions/concentrations should be determined by the researcher.

Conjugation HRP

Form Supplied Liquid

Purification Affinity purified with antigen

Concentration 0.42 mg/ml

Storage Buffer 0.05M Tris, 0.15N NaCl, pH 7.4 containing 1% BSA, 0.005% thimerosal as a preservative.

Storage Instruction Keep as concentrated solution. Aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.

Notes For *In vitro* laboratory use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption.

Application Reference

1. Int J Mol Med. (2014)
2. Hsu TH (2014) *Cell Death Differ*
3. Chen HY (2014) *Vet Parasitol*
4. Zheng Y (2014) *PLoS One* e98552
5. Wang HC (2014) *Eur J Med Chem* 312-34
6. Grossini E (2014) *J Endocrinol* 137-49
7. Jagtap AD (2014) *Eur J Med Chem* 268-288
8. Wei MF (2014) *Autophagy* 1179-92
9. Tseng LC (2014) *PLoS One* e93394
10. Chen CM (2014) *Free Radic Biol Med*
11. Hsu CY (2014) *PLoS Pathog* e1003974
12. Lee JG (2014) *Toxicol In Vitro* 562-570
13. Kilgore JA (2013) *J Biol Chem* 19673-84
14. Fu PK (2012) *Evid Based Complement Alternat Med* 837513
15. Chiang HC (2012) *Respiration* 319-26
16. Xie H (2012) *PLoS One* e33087
17. Liu K (2012) *Gene* 225-30
18. Huang KH (2012) *PLoS One* e33615
19. Chang KH (2013) *Evid Based Complement Alternat Med* 471659
20. Chen YH (2012) *PLoS One* e48335
21. Lin YL (2012) *Brain Behav Immun* 459-68
22. Cheng AN (2013) *Cancer Lett* 218-25