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GeneTex, Inc : Toll Free 1-877-GeneTex (1-877-436-3839) Fax:1-949-309-2888 info@genetex.com
GeneTex International Corporation : Tel:886-3-6208988 Fax:886-3-6208989 infoasia@genetex.com

Datasheet

Date : 2015/3/3

GTX300086 B Cell Signaling Antibody Panel

Content

Cat No	Product Name	Applications	Package
GTX100748	SYK antibody [N2C2], Internal	ICC/IF, IHC-P, IP, WB	25 µl
GTX61761	Syk (phospho Tyr525) antibody [EP575(2)Y]	ICC/IF, WB	25 µl
GTX101222	LYN antibody	ICC/IF, IHC-P, IP, WB	25 µl
GTX61275	Lyn (phospho Tyr396) antibody [EP503Y]	FACS, WB	25 µl
GTX101346	BTK antibody [C1C3]	IHC-P, WB	25 µl
GTX61791	Btk (phospho Tyr223) antibody [EP420Y]	IP, WB	25 µl
GTX101512	CD19 antibody [C1C3]	ICC/IF, 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.

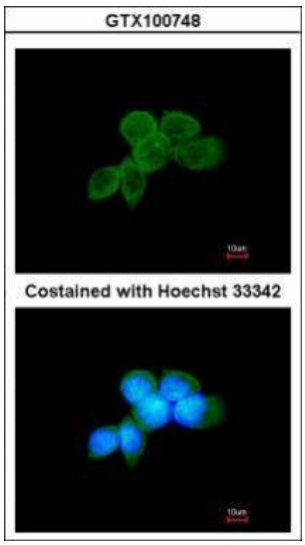
DataSheet - 1

Catalog Number	GTX100748 Package:25 µl,100 µl
Product Name	SYK antibody [N2C2], Internal
Full Name	spleen tyrosine kinase
Synonyms	DKFZp313N1010 antibody, FLJ25043 antibody, FLJ37489 antibody, SYK antibody, tyrosine-protein kinase SYK antibody, spleen tyrosine kinase antibody
Product Description	Rabbit Polyclonal antibody to SYK (spleen tyrosine kinase)
Background	This gene encodes a member of the family of non-receptor type Tyr protein kinases. This protein is widely expressed in hematopoietic cells and is involved in coupling activated immunoreceptors to downstream signaling events that mediate diverse cellular responses, including proliferation, differentiation, and phagocytosis. It is thought to be a modulator of epithelial cell growth and a potential tumour suppressor in human breast carcinomas. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Immunogen	Recombinant fragment corresponding to a region within amino acids 148 and 483 of SYK (Uniprot ID#P43405)
Antigen Species	Human
Species Reactivity	Human, Mouse, Rat
Predicted Cross Reactivity species	Bovine
Predict Reactivity Note	Bovine (80%)
Applications	ICC/IF, IHC-P, IP, WB

		Suggested dilution	Protocol	Reference
Application Note	ICC/IF	1:100-1:1000*		
	IHC (Formalin-fixed paraffin-embedded sections)	1:100-1:1000*		
	Immunoprecipitation	1:100-1:500*		
	Western blot	1:500-1:3000*		

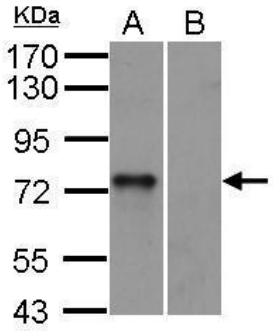
Not tested in other applications.
*Optimal dilutions/concentrations should be determined by the researcher.

Positive Controls	A431 , Raji , BMDM , mouse spleen
Predicted Target Size	72 kDa
Form Supplied	Liquid
Purification	Purified by antigen-affinity chromatography.
Concentration	0.85 mg/ml
Storage Buffer	1XPBS, 20% Glycerol (pH7). 0.025% ProClin 300 was added as a preservative.
Storage Instruction	Keep as concentrated solution. Aliquot and store at -20ºC 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.
ResearchArea	Cell Biology > Cell adhesion > Cell-cell adhesion > Leukocyte Signal Transduction > Nuclear Signaling > NFkB Signal Transduction > Signaling through enzyme-linked cell surface receptors > Receptor Tyrosine Kinases



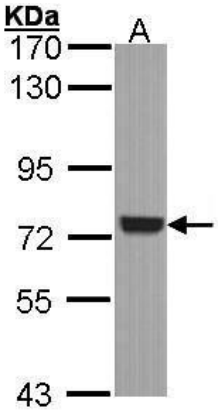
GTX100748 ICC/IF Image

Immunofluorescence analysis of methanol-fixed A431, using SYK(GTX100748) antibody at 1:200 dilution.



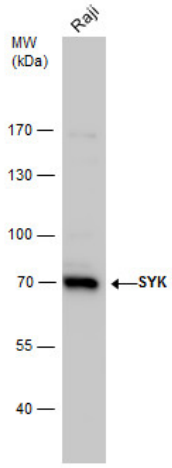
GTX100748 WB Image

SYK antibody [N2C2], Internal detects SYK protein by western blot analysis.
A. 30 µg mouse BMDM (bone marrow-derived macrophage) cells
B. 30 µg mouse Syk null cells
10 % SDS-PAGE
SYK antibody [N2C2], Internal (GTX100748) dilution: 1:1000



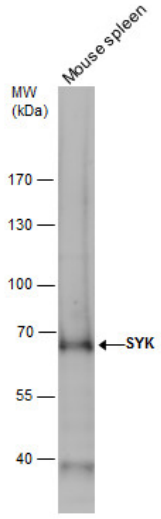
GTX100748 WB Image

Sample (30 ug of whole cell lysate)
A: A431 (GTX27909)
7.5% SDS PAGE
GTX100748 diluted at 1:1000



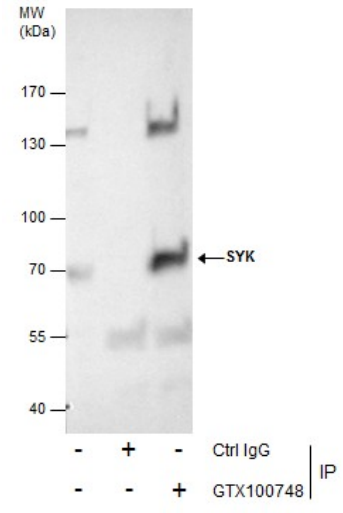
GTX100748 WB Image

SYK antibody detects SYK protein by western blot analysis. Whole cell extracts (30 µg) was separated by 7.5% SDS-PAGE, and the membrane was blotted with SYK antibody (GTX100748) diluted by 1:2000.



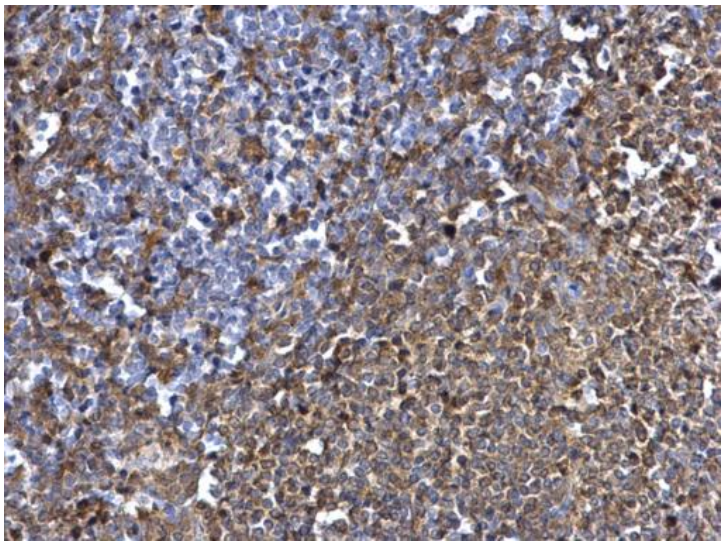
GTX100748 WB Image

SYK antibody detects SYK protein by western blot analysis. Mouse tissue extracts (50 µg) was separated by 7.5 % SDS-PAGE, and the membrane was blotted with SYK antibody (GTX100748) diluted by 1:1000.



GTX100748 IP Image

Immunoprecipitation of SYK protein from A431 whole cell extracts using 5 µg of SYK antibody [N2C2] (GTX100748).
Western blot analysis was performed using SYK antibody [N2C2] (GTX100748).
EasyBlot anti-Rabbit IgG (GTX221666-01) was used as a secondary reagent.



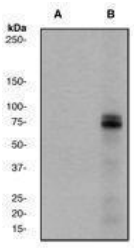
GTX100748 IHC-P Image

SYK antibody [N2C2], Internal detects SYK protein at cytosol on rat spleen by immunohistochemical analysis.
Sample: Paraffin-embedded rat spleen.
SYK antibody [N2C2], Internal (GTX100748) dilution: 1:500.

DataSheet - 2

Catalog Number	GTX61761 Package:100 µl
Product Name	Syk (phospho Tyr525) antibody [EP575(2)Y]
Full Name	spleen tyrosine kinase
Synonyms	FLJ25043, SYK, DKFZp313N1010, FLJ37489, Syk (phospho Y525), Syk (phospho Tyr525), Syk (pY525), Syk (pTyr525), Syk phospho Y525, Syk phospho Tyr525, Phospho Syk (Y525), Phospho Syk (Tyr525), Phospho Syk (pY525), Phospho Syk (pTyr525)
Product Description	Rabbit monoclonal antibody [EP575(2)Y] to Syk (phospho Tyr525)
Specificity	This antibody detects Syk phosphorylated at Tyrosine 525.
Background	Syk, a non-receptor tyrosine kinase, belongs to the Syk-Zap70 family of protein tyrosine kinase (PTK) and is involved in a wide variety of cellular functions including the pathogenesis of malignant cancer . Ubiquitously expressed in hematopoietic cells, Syk has been found to be an effector of B cell receptor (BCR) and functions in B & T cell lymphopoiesis. In the absence of Syk, B cell development is blocked . Upon binding to the BCR and to the cell surface receptor of hematopoietic cells , Syk is activated and phosphorylates Phospholipase C resulting in the downstream activation of ERK & JNK kinase. Syk also phosphorylates PI3-K activating the Akt pathway . Cross-linking of the T cell antigen receptor (TCR)-CD3 complex induces rapid tyrosine phosphorylation and then activation of Syk, which in turn phosphorylates a multitude of intracellular substrates such as Cbl . Substitution of Tyr-525 and Tyr-526 at the autophosphorylation site of Syk in mCD8-Syk substantially reduced the kinase activity and the binding to PLC-gamma1 SH2(C) in vitro .

Host	Rabbit
Clonality	Monoclonal
Clone Name	EP575(2)Y
Isotype	IgG
Target	Syk Phospho (pY525)
Immunogen	A phospho specific peptide corresponding to residues surround Tyrosine 525 of human Syk was used as an immunogen.
Antigen Species	Human
Species Reactivity	Human
Applications	ICC/IF, WB
Application Note	**Recommended Starting Dilutions:** For WB: Use at a dilution of 1:1,000-10,000 For ICC: Use at a dilution of 1:100 - 250 Optimal working dilution for a specific application should be determined by the investigator.
Predicted Target Size	72
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 *In vitro* 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	Cell Biology > Cell adhesion > Cell-cell adhesion > Leukocyte Signal Transduction > Nuclear Signaling > NFkB Signal Transduction > Signaling through enzyme-linked cell surface receptors > Receptor Tyrosine Kinases



GTX61761 WB Image

A. Western blot analysis on U937 cell lysates using anti-Phospho-Syk (pY525) 1:10000 dilution. Cells were either (A) untreated (B) treated with pervanadate.

DataSheet - 3

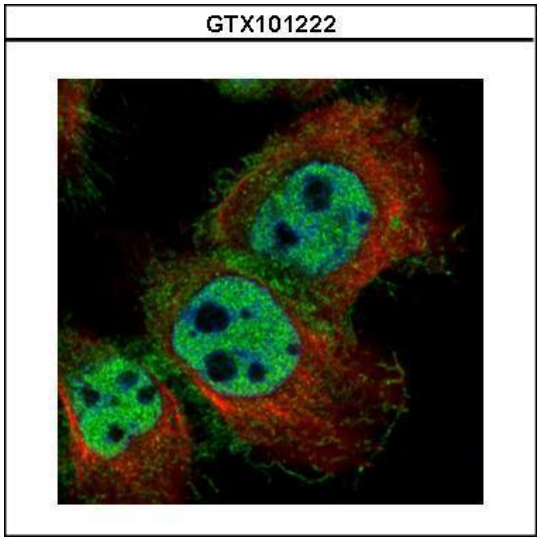
Catalog Number	GTX101222	Package:25 µl,100 µl	Reference (1)
Product Name	LYN antibody		
Full Name	v-yes-1 Yamaguchi sarcoma viral related oncogene homolog		
Synonyms	FLJ26625 antibody, JTK8 antibody, LYN antibody, lck/Yes-related novel protein tyrosine kinase antibody, tyrosine-protein kinase Lyn antibody, v-yes-1 Yamaguchi sarcoma viral related oncogene homolog antibody		
Product Description	Rabbit Polyclonal antibody to LYN (v-yes-1 Yamaguchi sarcoma viral related oncogene homolog)		
Host	Rabbit		
Clonality	Polyclonal		
Immunogen	Recombinant fragment corresponding to a region within amino acids 1 and 303 of LYN (Uniprot ID#P07948)		
Antigen Species	Human		
Species Reactivity	Human		

Applications	ICC/IF, IHC-P, IP, WB
Application Note	

	Suggested dilution	Protocol	Reference
ICC/IF	1:100-1:1000*		
IHC (Formalin-fixed paraffin-embedded sections)	1:100-1:1000*		
Immunoprecipitation	1:100-1:500*		
Western blot	1:500-1:3000*		

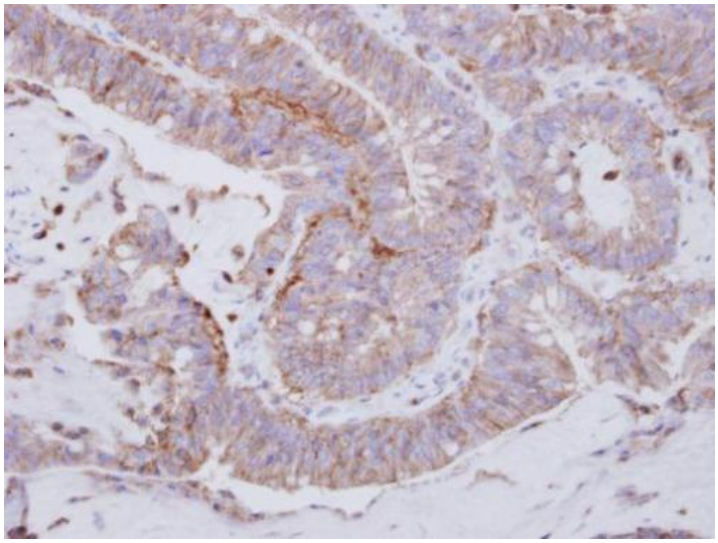
Not tested in other applications.
*Optimal dilutions/concentrations should be determined by the researcher.

Positive Controls	Raji , K562 , THP-1
Predicted Target Size	59 kDa
Form Supplied	Liquid
Purification	Purified by antigen-affinity chromatography.
Concentration	1 mg/ml
Storage Buffer	1XPBS, 1%BSA, 20% Glycerol (pH7). 0.01% Thimerosal was added as a preservative.
Storage Instruction	Keep as concentrated solution. Aliquot and store at -20ºC 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.
ResearchArea	Signal Transduction > Signaling through enzyme-linked cell surface receptors > Receptor Tyrosine Kinases



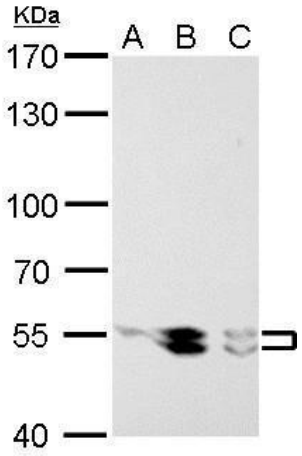
GTX101222 ICC/IF Image

Confocal immunofluorescence analysis (Olympus FV10i) of paraformaldehyde-fixed A431, using LYN(GTX101222) antibody (Green) at 1:500 dilution. Alpha-tubulin filaments were labeled with GTX11304 (Red) at 1:2000.



GTX101222 IHC-P Image

Immunohistochemical analysis of paraffin-embedded Colon ca, using LYN(GTX101222) antibody at 1:250 dilution.



GTX101222 WB Image

LYN antibody detects LYN protein by Western blot analysis.

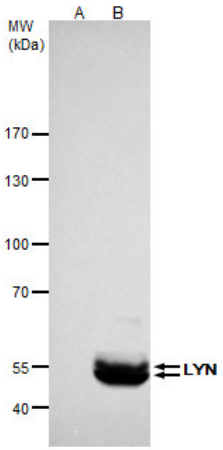
A. 30 µg Raji whole cell lysate/extract

B. 30 µg K562 whole cell lysate/extract

C. 30 µg Raji whole cell lysate/extract

7.5 % SDS-PAGE

LYN antibody (GTX101222) dilution: 1:1000



GTX101222 IP Image

LYN antibody immunoprecipitates LYN protein in IP experiments.

IP samples: K562 whole cell extract

A. Control with 4 µg of preimmune Rabbit IgG

B. Immunoprecipitation of LYN protein by 4 µg LYN antibody (GTX101222)

5 % SDS-PAGE

The immunoprecipitated LYN protein was detected by LYN antibody (GTX101222) diluted at 1:500.

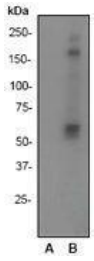
[EasyBlot anti-rabbit IgG (GTX221666-01) was used as a secondary reagent]

Application Reference

1. Lai WB (2013) *Mol Neurobiol*

DataSheet - 4

Catalog Number	GTX61275 Reference (1)
Product Name	Lyn (phospho Tyr396) antibody [EP503Y]
Full Name	v-yes-1 Yamaguchi sarcoma viral related oncogene homolog
Synonyms	LYN, FLJ26625, JTK8, Lyn (phospho Y396), Lyn (phospho Tyr396), Lyn (pY396), Lyn (pTyr396), Lyn phospho Y396, Lyn phospho Tyr396, Phospho Lyn (Y396), Phospho Lyn (Tyr396), Phospho Lyn (pY396), Phospho Lyn (pTyr396)
Product Description	Rabbit monoclonal antibody [EP503Y] to Lyn (phospho Tyr396)
Specificity	The antibody will detect Lyns phosphorylation on Tyrosine 396.
Background	Lyn (also known as p53/56 Lyn) is a membrane-associated protein tyrosine kinase (PTK) mostly expressed in hemopoietic cells. A member of the Src family of PTKs, there are two known isoforms for Lyn . Lyn plays an indispensable role in the Fc epsilon RI (Fcer1) and the B-cell IgM receptor signaling pathway . Lyn is essential for Syk activation and Lat phosphorylation after Fcer1 aggregation and can also phosphorylate Tec on multiple residues . Lyn can also be regulated by IL-2 and IL-3 .
Host	Rabbit
Clonality	Monoclonal
Clone Name	EP503Y
Isotype	IgG
Target	Lyn Phospho (pY396)
Immunogen	A synthetic phospho-peptide corresponding to residues surrounding Tyrosine 396 of human Lyn was used as immunogen.
Antigen Species	Human
Species Reactivity	Human
Applications	FACS, WB
Application Note	**Recommended Starting Dilutions:** For WB: Use at a dilution of 1:1,000 - 10,000 For FACS: Use at a dilution of 1:50 Optimal working dilution for a specific application should be determined by the investigator.
Predicted Target Size	53-56
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	For *In vitro* laboratory use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption.
ResearchArea	Signal Transduction > Signaling through enzyme-linked cell surface receptors > Receptor Tyrosine Kinases



Lyn-phospho-Tyr396-antibody-EP503Y-GTX61275-WB-1.jpg

A. Western blot analysis on Hela cell lysate using anti-phospho Lyn (pY396) RabMAb (cat. #GTX61275). A: non treated cells B: cells treated with Pervanadate

Application Reference

1. Lai WB (2013) *Mol Neurobiol*

DataSheet - 5

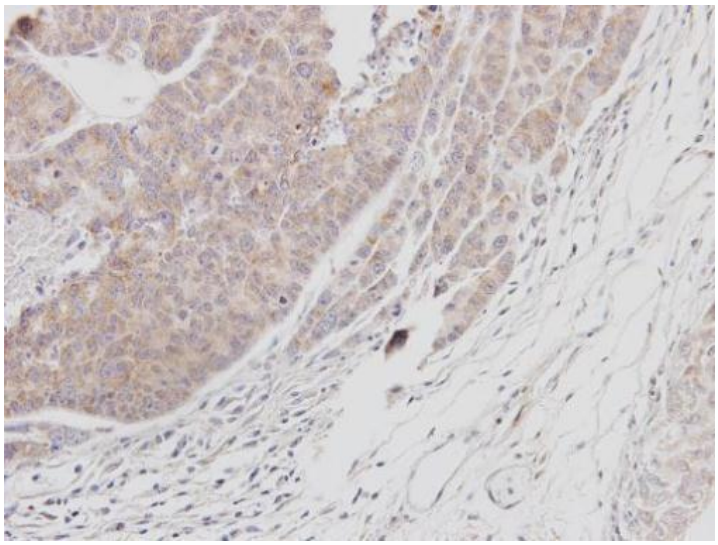
Catalog Number	GTX101346 Package:25 µl,100 µl
Product Name	BTK antibody [C1C3]
Full Name	Bruton agammaglobulinemia tyrosine kinase
Synonyms	AGMX1 antibody, AT antibody, ATK antibody, BPK antibody, IMD1 antibody, MGC126261 antibody, MGC126262 antibody, PSCTK1 antibody, XLA antibody, BTK antibody, dominant-negative kinase-deficient Brutons tyrosine kinase antibody, agammaglobulinaemia tyrosine kinase antibody, B-cell progenitor kinase antibody, tyrosine-protein kinase BTK isoform (lacking exon 14) antibody, tyrosine-protein kinase BTK antibody, Bruton agammaglobulinemia tyrosine kinase antibody
Product Description	Rabbit Polyclonal antibody to BTK (Bruton agammaglobulinemia tyrosine kinase)
Background	The protein encoded by this gene plays a crucial role in B-cell development. Mutations in this gene cause X-linked agammaglobulinemia type 1, which is an immunodeficiency characterized by the failure to produce mature B lymphocytes, and associated with a failure of Ig heavy chain rearrangement. [provided by RefSeq]
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Immunogen	Recombinant fragment corresponding to a region within amino acids 429 and 659 of BTK (Uniprot ID#Q06187)
Antigen Species	Human
Species Reactivity	Human, Mouse
Predicted Cross Reactivity species	Bovine, Chicken, Pig, Rat
Predict Reactivity Note	Chicken (86%), Pig (99%), Rat (98%), Bovine (98%)
Applications	IHC-P, WB
Application Note	

	Suggested dilution	Protocol	Reference
IHC (Formalin-fixed paraffin-embedded sections)	1:100-1:1000*		
Western blot	1:500-1:3000*		

Not tested in other applications.
*Optimal dilutions/concentrations should be determined by the researcher.

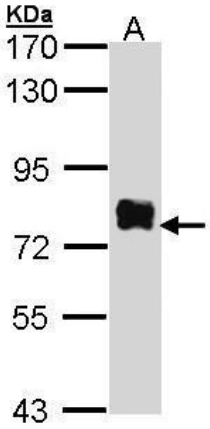
Positive Controls	Molt-4
Predicted Target Size	76 kDa
Cellular Localization	Cytoplasm , Membrane; Peripheral membrane protein , Nucleus , Cytoplasm , Membrane , Nucleus
Form Supplied	Liquid
Purification	Purified by antigen-affinity chromatography.
Concentration	0.62 mg/ml
Storage Buffer	0.1M Tris, 0.1M Glycine, 10% Glycerol (pH7). 0.01% Thimerosal was added as a preservative.
Storage Instruction	Keep as concentrated solution. Aliquot and store at -20ºC 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.
ResearchArea	Cancer > Apoptosis > Induction > Extracellular signals

Cell Biology > Apoptosis > Induction from extracellular signals
Neuroscience > Signaling > Calcium signaling



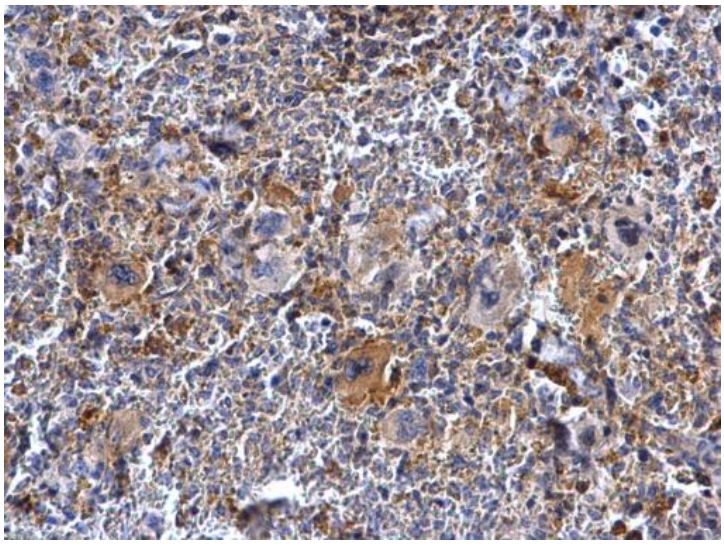
GTX101346 IHC-P Image

Immunohistochemical analysis of paraffin-embedded SAS xenograft, using BTK(GTX101346) antibody at 1:100 dilution.



GTX101346 WB Image

Sample (30 ug of whole cell lysate)
A: Molt-4 (GTX27912)
7.5% SDS PAGE
GTX101346 diluted at 1:500

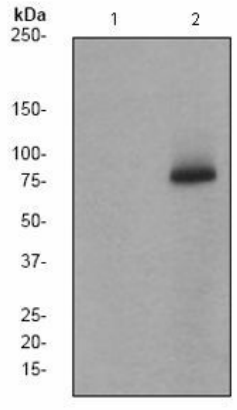


GTX101346 IHC-P Image

BTK antibody [C1C3] detects BTK protein at cytosol on mouse spleen by immunohistochemical analysis.
Sample: Paraffin-embedded mouse spleen.
BTK antibody [C1C3] (GTX101346) dilution: 1:500.

DataSheet - 6

Catalog Number	GTX61791	Package:100 µl	Reference (1)
Product Name	Btk (phospho Tyr223) antibody [EP420Y]		
Full Name	Bruton agammaglobulinemia tyrosine kinase		
Synonyms	Phospho BTK (Tyr223) Antibody , Phospho Tyr223 BTK Antibody , BTK Phospho Y223 Antibody , ATK Antibody , Phospho BTK Y223 Antibody , BTK Phospho Tyr223 Antibody , BTK Y223 Phospho Antibody , IMD1 Antibody , XLA Antibody , AT Antibody , Phospho Y223 BTK An		
Product Description	Rabbit monoclonal antibody [EP420Y] to Btk (phospho Tyr223)		
Specificity	This antibody detects BTK phosphorylated on tyrosine 223.		
Background	The protein encoded by this gene plays a crucial role in B-cell development. Mutations in this gene cause X-linked agammaglobulinemia type 1, which is an immunodeficiency characterized by the failure to produce mature B lymphocytes, and associated with a failure of Ig heavy chain rearrangement. [provided by RefSeq, Nov 2008]		
Host	Rabbit		
Clonality	Monoclonal		
Clone Name	EP420Y		
Isotype	IgG		
Target	Btk (phospho Tyr223)		
Immunogen	A phospho specific peptide corresponding to residues surrounding tyrosine 223 of human BTK.		
Antigen Species	Human		
Species Reactivity	Human, Mouse		
Applications	IP, WB		
Form Supplied	Liquid		
Purification	Tissue culture supernatant		
Storage Buffer	pH: 7.4. Preservative: 0.01% Sodium azide. Constituents: 50% Glycerol, 0.05% BSA		
Storage Instruction	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid 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. RabMAb® technology is covered by the following U.S. Patents, No. 5,675,063 and/or 7,429,487.		
ResearchArea	Cancer > Apoptosis > Induction > Extracellular signals Cell Biology > Apoptosis > Induction from extracellular signals Neuroscience > Signaling > Calcium signaling		



GTX61791 WB Image

WB analysis of lysates from (1) untreated and pervanadate-treated Ramos cells (10 µg per lane) using Btk (phospho Tyr223) antibody [EP420Y] at a dilution of 1:500,000.

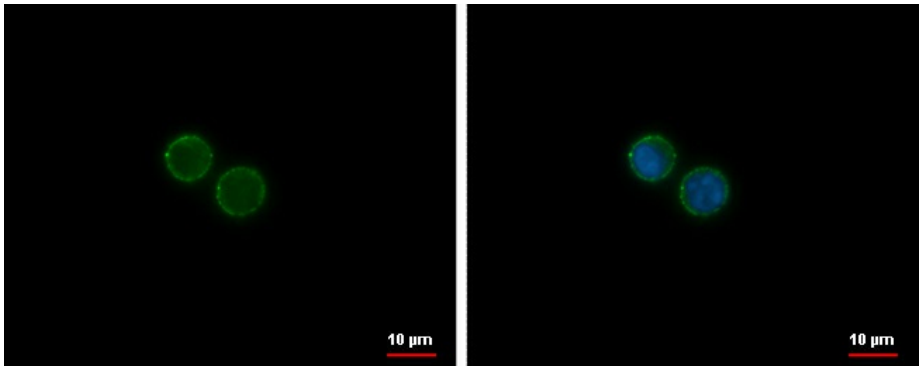
Application Reference

1. Baek JM (2014) *Molecules* 11628-44

DataSheet - 7

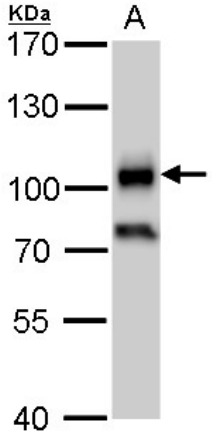
Catalog Number	GTX101512 Package:25 µl,100 µl
Product Name	CD19 antibody [C1C3]
Full Name	CD19 molecule
Synonyms	B4 antibody, CVID3 antibody, MGC12802 antibody, CD19 antibody, differentiation antigen CD19 antibody, B-lymphocyte antigen CD19 antibody, B-lymphocyte surface antigen B4 antibody, T-cell surface antigen Leu-12 antibody, CD19 molecule antibody
Product Description	Rabbit Polyclonal antibody to CD19 (CD19 molecule)
Background	Lymphocytes proliferate and differentiate in response to various concentrations of different antigens. The ability of the B cell to respond in a specific, yet sensitive manner to the various antigens is achieved with the use of low-affinity antigen receptors. This gene encodes a cell surface molecule which assembles with the antigen receptor of B lymphocytes in order to decrease the threshold for antigen receptor-dependent stimulation. [provided by RefSeq]
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Immunogen	Recombinant fragment corresponding to a region within amino acids 282 and 556 of CD19 (Uniprot ID#P15391)
Antigen Species	Human
Species Reactivity	Human
Predicted Cross Reactivity species	Pig
Predict Reactivity Note	Pig (86%)
Applications	ICC/IF, WB
Application Note	Not tested in other applications. *Optimal dilutions/concentrations should be determined by the researcher.
Positive Controls	Raji
Predicted Target Size	61 kDa
Form Supplied	Liquid
Purification	Purified by antigen-affinity chromatography.
Concentration	0.67 mg/ml
Storage Buffer	1XPBS, 1%BSA, 20% Glycerol (pH7). 0.01% Thimerosal was added as a preservative.
Storage Instruction	Keep as concentrated solution. Aliquot and store at -20ºC 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.
ResearchArea	Cancer > Tumor biomarkers Immunology > Autoimmunity > Autoimmune diseases > Crohn Disease Immunology > Autoimmunity > Autoimmune diseases > Rheumatoid Arthritis

	Suggested dilution	Protocol	Reference
ICC/IF	1:100-1:1000*		
Western blot	1:500-1:3000*		



GTX101512 ICC/IF Image

CD19 antibody [C1C3] detects CD19 protein at membrane by immunofluorescent analysis.
Sample: Raji cells were fixed in ice-cold MeOH for 5 min.
Green: CD19 protein stained by CD19 antibody [C1C3] (GTX101512) diluted at 1:1000.
Blue: Hoechst 33342 staining.



GTX101512 WB Image

CD19 antibody detects CD19 protein by western blot analysis.
A. 30 µg Raji whole cell lysate/extract
7.5 % SDS-PAGE
CD19 antibody (GTX101512) dilution: 1:1000

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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	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.		
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
Application Note	

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

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

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