

Product Datasheet

IKK beta Antibody NB100-56509SS

Unit Size: 0.025 mg

Store at -20C. Avoid freeze-thaw cycles.

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NB100-56509SS

IKK beta Antibody (10AG2)

Product Information	
Unit Size	0.025 mg
Concentration	0.5 mg/ml
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	10AG2
Preservative	0.05% Sodium Azide
Isotype	IgG1
Purity	Protein G purified
Buffer	PBS containing 0.05% BSA
Target Molecular Weight	86.564 kDa kDa

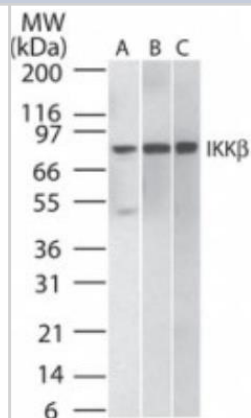
Product Description	
Host	Mouse
Gene ID	3551
Gene Symbol	IKBKB
Species	Human, Mouse
Species Reactivity	Human and Mouse.
Specificity/Sensitivity	An approx. 87 kDa band should be observed.
Immunogen	A full-length human IKKb recombinant protein was used to immunize mice (NP_001547).

Product Application Details	
Applications	Western Blot, Flow Cytometry, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunoprecipitation
Recommended Dilutions	Flow Cytometry 0.25-0.5 ug/ 10 ⁶ cells, Immunohistochemistry 1:10-1:500, Immunohistochemistry-Paraffin 1:10-1:500, Immunoprecipitation 1:10-1:500, Western Blot 2-4 ug/ml
Application Notes	Useful in Immunohistochemistry-Paraffin See Page et al.



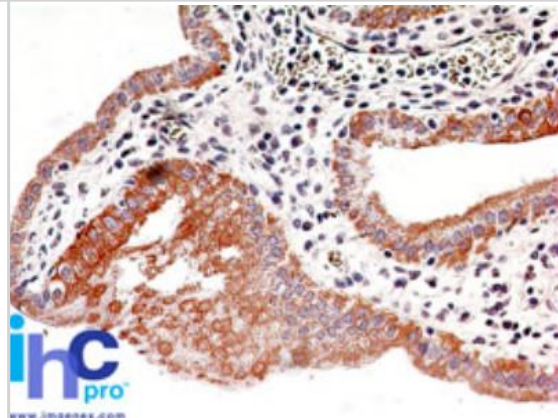
Images

Western Blot: IKK beta Antibody (10AG2) [NB100-56509] - Western blot analysis of A) human Daudi, B) HeLa, and C) mouse NIH3T3 lysate probed with IKKbeta antibody at 2 ug/ml.

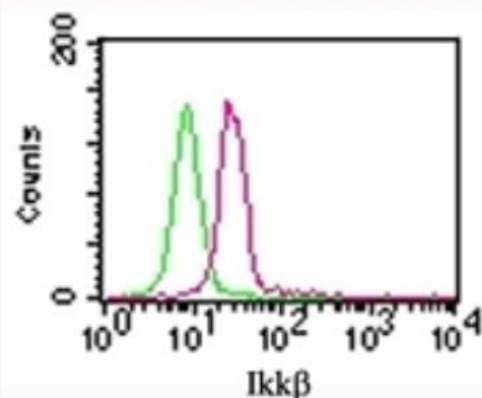


Immunohistochemistry-Paraffin: IKK beta Antibody (10AG2) [NB100-56509] - Formalin-fixed, paraffin-embedded human gall bladder probed with IKKbeta antibody at 5 ug/ml. Human tissue TMA was used for this test.

Staining of formalin-fixed tissues is enhanced by boiling tissue sections in 10 mM sodium citrate buffer, pH 6.0 for 10-20 min followed by cooling at RT for 20 min.



Flow Cytometry: IKK beta Antibody (10AG2) [NB100-56509] - Intracellular staining of HEK293 cells with 0.5 ug of IKKbeta antibody (red) and 0.5 ug of isotype control antibody (20109, green). Intracellular flow kit was used for this test, and an anti-mouse IgG1 PE conjugated secondary.



Publications

Das U, Manna K, Sinha M et al. Role of ferulic Acid in the amelioration of ionizing radiation induced inflammation: a murine model. PLoS ONE. 2014 May 23 [PMID: 24854039] (WB, Mouse)

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Breuer R, Becker MS, Brechmann M et al. The PP2A phosphatase regulatory subunit B56-gamma mediates suppression of T-cell receptor (TCR)-induced nuclear factor-kappa B (NF-kB) activity. J. Biol. Chem. 2014 Apr 09 [PMID: 24719332] (WB, Human)

Gray CM, Remouchamps C, McCorkell KA et al. Noncanonical NF-kB Signaling Is Limited by Classical NF-kB Activity. Sci Signal. 2014 Feb 5 [PMID: 24497610] (WB, Mouse)

Ren T, Takahashi Y, Liu X et al. HTLV-1 Tax deregulates autophagy by recruiting autophagic molecules into lipid raft microdomains. Oncogene 2013 Dec 23 [PMID: 24362528] (WB, Human)

Phromnoi K, Reuter S, Sung B et al. A novel pentamethoxyflavone down-regulates tumor cell survival and proliferative and angiogenic gene products through inhibition of Ikb kinase activation and sensitizes tumor cells to apoptosis by cytokines and chemotherapeutic agents. Mol Pharmacol. 2011 Feb [PMID: 20930110]

Takada Y, Gillenwater A, Ichikawa H et al. Suberoylanilide hydroxamic acid potentiates apoptosis, inhibits invasion, and abolishes osteoclastogenesis by suppressing nuclear factor-kappaB activation. J Biol Chem. 2006 Mar 3 [PMID: 16377638]

Nenci A, Huth M, Funteh A et al. Skin lesion development in a mouse model of incontinentia pigmenti is triggered by NEMO deficiency in epidermal keratinocytes and requires TNF signaling. Hum Mol Genet. 2006 Feb 15 [PMID: 16399796]

Shishodia S, Gutierrez AM, Lotan R et al. N-(4-hydroxyphenyl)retinamide inhibits invasion, suppresses osteoclastogenesis, and potentiates apoptosis through down-regulation of I(kappa)B(alpha) kinase and nuclear factor-kappaB-regulated gene products. Cancer Res. 2005 Oct 15 [PMID: 16230421]

Bimonte S, Barbieri A, Palma G et al Curcumin inhibits tumor growth and angiogenesis in an orthotopic Mouse model of human pancreatic cancer. Biomed Res Int 2013 [PMID: 24324975] (WB, Human)

Lamothe B, Webster WK, Gopinathan A et al. TRAF6 ubiquitin ligase is essential for RANKL signaling and osteoclast differentiation. Biochem Biophys Res Commun. 2007 Aug 10 [PMID: 17572386]

Vunta H, Davis F, Palempalli UD et al. The anti-inflammatory effects of selenium are mediated through 15-deoxy-Delta12,14-prostaglandin J2 in macrophages. J Biol Chem. 2007 Jun 22 [PMID: 17439952]

More publications at <http://www.novusbio.com/NB100-56509>





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Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

For more information on our guarantee, please visit www.novusbio.com/guarantee.

