

Product Datasheet

IKK epsilon/IKBKE Antibody (72B587) NB100-56524

Unit Size: 0.1 mg

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

www.novusbio.com



technical@novusbio.com

Reviews: 2 Publications: 12

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:
www.novusbio.com/NB100-56524

Updated 1/13/2021 v.20.1

**Earn rewards for product
reviews and publications.**

Submit a publication at www.novusbio.com/publications

Submit a review at www.novusbio.com/reviews/destination/NB100-56524



NB100-56524

IKK epsilon/IKBKE Antibody (72B587)

Product Information	
Unit Size	0.1 mg
Concentration	0.5 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	72B587
Preservative	0.05% Sodium Azide
Isotype	IgG2a Kappa
Purity	Protein G purified
Buffer	PBS containing 0.05% BSA
Target Molecular Weight	80 kDa
Product Description	
Host	Mouse
Gene ID	9641
Gene Symbol	IKBKE
Species	Human
Reactivity Notes	Reacts with Human, Mouse and Rat.
Specificity/Sensitivity	The IKK epsilon amino acid sequence used as immunogen is 100% homologous with TBK1 (TANK-binding kinase 1).
Immunogen	This antibody was raised against a synthetic peptide corresponding to amino acids 175-188 of human IKKi/e protein.
Product Application Details	
Applications	Western Blot, Simple Western, Flow Cytometry, Immunocytochemistry/Immunofluorescence, Immunoprecipitation
Recommended Dilutions	Western Blot 1-3 ug/ml, Simple Western 1:500, Flow Cytometry 0.1-0.5 ug/ml, Immunocytochemistry/Immunofluorescence, Immunoprecipitation
Application Notes	<p>Use in Immunocytochemistry/immunofluorescence reported in scientific literature (PMID 15619605). Use in Immunoprecipitation reported in scientific literature (PMID 17236232)</p> <p>In Simple Western only 10 - 15 uL of the recommended dilution is used per data point. Separated by Size-Wes, Sally Sue/Peggy Sue. The observed molecular weight of the protein may vary from the listed predicted molecular weight due to post translational modifications, post translation cleavages, relative charges, and other experimental factors.</p>



Publications

Khan KA TRK-Fused Gene (TFG), a protein involved in protein secretion pathways, is an essential component of the antiviral innate immune response PloS Pathog 2021-01-07 [PMID: 33411856]

Peant B, Gilbert S, Le Page C et al. I κ B-Kinase-epsilon (IKKE) over-expression promotes the growth of prostate cancer through the C/EBP-B dependent activation of IL-6 gene expression. Oncotarget. 2017-02-28 [PMID: 27577074] (WB, IP, Human)

Vandevenne Patricia, Lebrun Marielle, El Mjiyad Nadia et al. The varicella-zoster virus ORF47 kinase interferes with host innate immune response by inhibiting the activation of IRF3. PLoS One. 2011-01-01 [PMID: 21347389] (WB)

Gravel Simon-Pierre, Servant Marc J. Roles of an I κ B kinase-related pathway in human cytomegalovirus-infected vascular smooth muscle cells: a molecular link in pathogen-induced proatherosclerotic conditions. J Biol Chem. 2005-03-04 [PMID: 15619605] (ICC/IF)

Yang Mei-Ling, Doyle Hester A, Gee Renelle J et al. Intracellular protein modification associated with altered T cell functions in autoimmunity. J Immunol. 2006-10-01 [PMID: 16982891] (Mouse)

Solis Mayra, Romieu-Mourez Raphaelle, Goubau Delphine et al. Involvement of TBK1 and IKKepsilon in lipopolysaccharide-induced activation of the interferon response in primary human macrophages. Eur J Immunol. 2007-02-01 [PMID: 17236232] (IP, Human)

Klarquist J, Hennies CM, Lehn MA et al. STING-mediated DNA sensing promotes antitumor and autoimmune responses to dying cells. J Immunol. 2014-12-15 [PMID: 25385820] (CoIP)

Nakhaei P, Sun Q, Solis M et al. I κ B kinase epsilon-dependent phosphorylation and degradation of X-linked inhibitor of apoptosis sensitizes cells to virus-induced apoptosis. J Virol. 2012-01-01 [PMID: 22072751] (WB)

Details:

WB (TBk1, Ikke or scrambled siRNA transfected A549 cells), Fig 5A. Note: The specificity of the Ikke/Ikki/TBk1 antibody was siRNA validated with Ikke and TBk1 siRNA transfected A549 cells by WB.

Bibeau-Poirier A, Gravel SP, Clement JF et al. Involvement of the I κ B kinase (IKK)-related kinases tank-binding kinase 1/IKKi and cullin-based ubiquitin ligases in IFN regulatory factor-3 degradation. J Immunol. 2006-10-15 [PMID: 17015689] (WB)

Details:

WB (Figure 5).

Aksoy E, Albarani V, Nguyen M et al. Interferon regulatory factor 3-dependent responses to lipopolysaccharide are selectively blunted in cord blood cells. Blood. 2007-04-01 [PMID: 17138826] (WB, Human)

Details:

IMG-139A (TBk1) and IMG 270A (Ikke/Ikki): [WB (Figure S1), human newborn cord blood monocyte-derived dendritic cells].

Perwitasari O, Cho H, Diamond MS et al. Inhibitor of κ B kinase epsilon (IKK(epsilon)), STAT1, and IFIT2 proteins define novel innate immune effector pathway against West Nile virus infection. J Biol Chem. 2011-12-30 [PMID: 22065572] (WB, Mouse)

Details:

Product cited: IKK-epsilon/IKKi/TBK1 (IMG-270A). 1. WB: IKKe^{-/-} knockout and WT mouse embryonic fibroblasts (MEF), Fig 1B. 2. WB: IKKe^{-/-} knockout mouse and WT spleen cells: Fig 6B. Note: IKK-epsilon/IKKi/TBK1 (IMG-270A) was knockout mouse validated in IK

Chariot A, Leonardi A, Muller J et al. Association of the adaptor TANK with the I kappa B kinase (IKK) regulator NEMO connects IKK complexes with IKK epsilon and TBK1 kinases. J Biol Chem. 2002-10-04 [PMID: 12133833] (WB)



Novus Biologicals USA

10730 E. Briarwood Avenue
Centennial, CO 80112
USA

Phone: 303.730.1950
Toll Free: 1.888.506.6887
Fax: 303.730.1966
novus@novusbio.com

Bio-Techne Canada

21 Canmotor Ave
Toronto, ON M8Z 4E6
Canada

Phone: 905.827.6400
Toll Free: 855.668.8722
Fax: 905.827.6402
canada.inquires@bio-techne.com

Bio-Techne Ltd

19 Barton Lane
Abingdon Science Park
Abingdon, OX14 3NB, United Kingdom

Phone: (44) (0) 1235 529449
Free Phone: 0800 37 34 15
Fax: (44) (0) 1235 533420
info.EMEA@bio-techne.com

General Contact Information

www.novusbio.com
Technical Support: technical@novusbio.com
Orders: orders@novusbio.com
General: novus@novusbio.com

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 100% guarantee, please visit www.novusbio.com/guarantee

Earn gift cards/discounts by submitting a review: www.novusbio.com/reviews/submit/NB100-56524

Earn gift cards/discounts by submitting a publication using this product:
www.novusbio.com/publications

