

Product Datasheet

IKK epsilon/IKBKE [p Thr501] Antibody NBP1-77829

Unit Size: 0.1 mg

Store at -20C short term. Aliquot and store at -80C long term. Avoid freeze-thaw cycles.

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NBP1-77829**IKK epsilon/IKBKE [p Thr501] Antibody**

Product Information	
Unit Size	0.1 mg
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at -20C short term. Aliquot and store at -80C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.1% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Product Description	
Description	<p>This antibody was affinity purified from monospecific antiserum by immunoaffinity purification against the phosphopeptide and cross adsorption against the non-phosphorylated form of the peptide followed by non-adsorption against a non-specific peptide backbone to further reduce non-specific reactivity</p> <p>Store vial at -20C prior to opening. Aliquot contents and freeze at -20C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4C as an undiluted liquid. Dilute only prior to immediate use.</p>
Host	Rabbit
Gene ID	9641
Gene Symbol	IKBKE
Species	Human
Reactivity Notes	This phospho specific polyclonal antibody is specific for phosphorylated pT501 human IKK epsilon/IKBKE. Reactivity with non-phosphorylated IKK epsilon/IKBKE is minimal. Cross reactivity with pT501 phosphorylated IKK epsilon/IKBKE from mouse, rat or other species has not been determined.
Specificity/Sensitivity	This phospho specific polyclonal antibody is specific for phosphorylated pT501 human IKK epsilon/IKBKE. Reactivity with non-phosphorylated IKK epsilon/IKBKE is minimal. Cross reactivity with pT501 phosphorylated IKK epsilon/IKBKE from mouse, rat or other species has not been determined.
Immunogen	IKK epsilon/IKBKE phospho peptide corresponding to a region of the human protein surrounding pT501 conjugated to KLH. (Uniprot: Q14164)
Product Application Details	
Applications	Western Blot, Simple Western, ELISA
Recommended Dilutions	Western Blot 1:500-1:3000, Simple Western, ELISA 1:5000-1:25000

Application Notes

This product is tested in ELISA, western blotting, and although not tested, this antibody is likely functional in immunohistochemistry and immunoprecipitation. An 85 kDa band corresponding to human IKKe is detected. HeLa cells or TNF inducible KBM-5 cells can be used as a positive control. Researchers should determine optimal titers for other applications.

Simple Western reported by an internal validation. Separated by Charge, antibody dilution of 1:50.

Simple Western reported by an internal validation. Separated by Charge, antibody dilution of 1:50.

Publications

van Tol S, Atkins C, Bharaj P et al. VAMP8 Contributes to the TRIM6-Mediated Type I Interferon Antiviral Response during West Nile Virus Infection J. Virol. 2020-01-06 [PMID: 31694946] (WB)

Bharaj P, Wang YE, Dawes BE et al. The Matrix Protein of Nipah Virus Targets the E3-Ubiquitin Ligase TRIM6 to Inhibit the IKKE Kinase-Mediated Type-I IFN Antiviral Response PLoS Pathog. 2016-09-01 [PMID: 27622505] (WB, Human)

Rajsbaum R, Versteeg GA, Schmid S et al. Unanchored k48-Linked Polyubiquitin Synthesized by the E3-Ubiquitin Ligase TRIM6 Stimulates the Interferon-Ikk-epsilon kinase-Mediated Antiviral Response. Immunity. 2014-05-28 [PMID: 24882218] (WB, Human)

Sweeney SE, Mo L, Firestein GS et al. Antiviral gene expression in rheumatoid arthritis: role of IKKepsilon and interferon regulatory factor 3. Arthritis Rheum 2007-03-01 [PMID: 17328045]





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Products Related to NBP1-77829

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NBP1-83114PEP	IKK epsilon/IKBKE Recombinant Protein Antigen

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.

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