

Product Datasheet

IKK epsilon/IKBKE Antibody - BSA Free NBP1-76800

Unit Size: 0.1 mg

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

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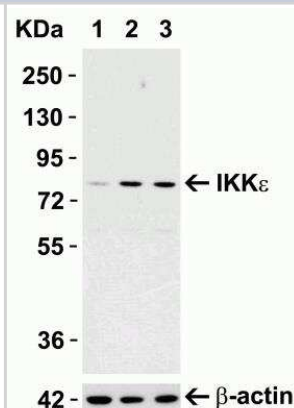
NBP1-76800

IKK epsilon/IKBKE Antibody - BSA Free

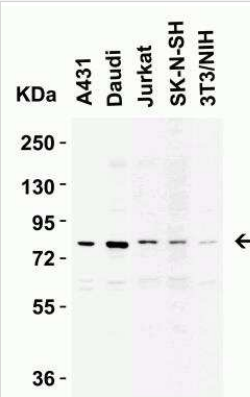
Product Information	
Unit Size	0.1 mg
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Peptide affinity purified
Buffer	PBS
Target Molecular Weight	80 kDa
Product Description	
Host	Rabbit
Gene ID	9641
Gene Symbol	IKBKE
Species	Human, Mouse
Specificity/Sensitivity	It has no cross response to IKKa, IKKb, or IKKy. Human IKK epsilon/IKBKE has 2 isoforms, including isoform 1 (716aa, 80kD) and isoform 2 (631aa, 70kD). Mouse IKK epsilon/IKBKE has one isoform (717aa, 81kD) and Rat IKK epsilon/IKBKE also has one isoform (717aa, 80kD). NBP1-76800 can detect human, mouse and possibly rat.
Immunogen	Antibody was raised against a peptide corresponding to 16 amino acids near the carboxy terminus of human IKK epsilon/IKBKE. The immunogen is located within the last 50 amino acids of IKK epsilon/IKBKE. Amino Acid Sequence: NRIIERLNRVPAPPDV
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, ELISA, Immunocytochemistry/Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Western Blot 1-2 ug/ml, ELISA 1:100-1:2000, Immunohistochemistry 10 ug/ml, Immunocytochemistry/ Immunofluorescence 20 ug/ml, Immunohistochemistry-Paraffin 10 ug/ml

Images

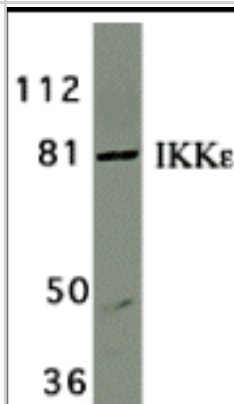
Western Blot: IKK epsilon/IKBKE Antibody [NBP1-76800] - Induced Expression Validation in Mouse Cell Line. Loading: 15 ug of RAW 264.7 cell lysates per lane. Antibodies: IKK epsilon/IKBKE NBP1-76800 (1 ug/ml), 1h incubation at RT in 5% NFDM/TBST. Secondary: Goat anti-rabbit IgG HRP conjugate at 1:10000 dilution. Cells were treated with LPS (0.3 ug/ml) for 3 hrs (lane 2) and 6 hrs (lane 3) or with control (lane 1).



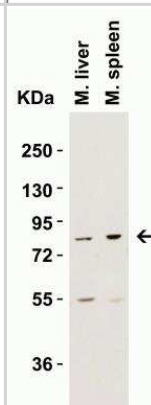
Western Blot: IKK epsilon/IKBKE Antibody [NBP1-76800] - Western Blot Validation in Human and Mouse Cell Lines. Loading: 15 ug of lysates per lane. Antibodies: IKK epsilon/IKBKE NBP1-76800 (1 ug/mL), 1h incubation at RT in 5% NFDN/TBST. Secondary: Goat anti-rabbit IgG HRP conjugate at 1:10000 dilution.



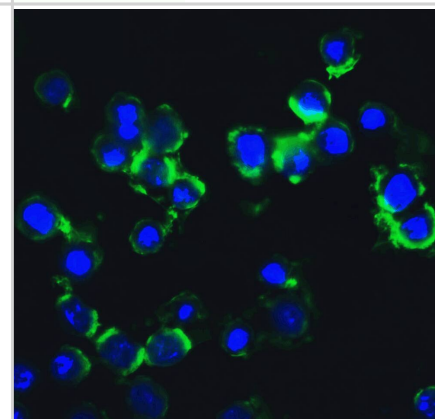
Western Blot: IKK epsilon/IKBKE Antibody - BSA Free [NBP1-76800] - Validation in Jurkat Cell Lysate. Antibodies: IKK epsilon/IKBKE (2 ug/mL), 1h incubation at RT in 5% NFDN/TBST. Secondary: Goat anti-rabbit IgG HRP conjugate at 1:10000 dilution.



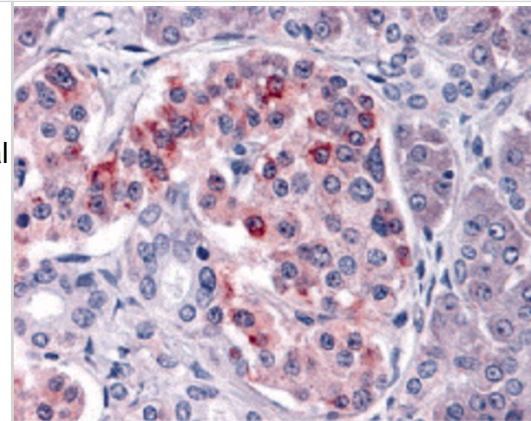
Western Blot: IKK epsilon/IKBKE Antibody [NBP1-76800] - Validation in Mouse Tissue Lysates. Loading: 15 ug of lysates per lane. Antibodies: IKK epsilon/IKBKE NBP1-76800 (2 ug/mL), 1h incubation at RT in 5% NFDN/TBST. Secondary: Goat anti-rabbit IgG HRP conjugate at 1:10000 dilution.



Immunocytochemistry/ Immunofluorescence: IKK epsilon/IKBKE Antibody - BSA Free [NBP1-76800] - Validation of IKK epsilon in HeLa Cells. Immunofluorescent analysis of 4% paraformaldehyde-fixed HeLa cells labeling IKK epsilon with at 20 ug/mL, followed by goat anti-rabbit IgG secondary antibody at 1/500 dilution (green) and DAPI staining (blue).



Immunohistochemistry: IKK epsilon/IKBKE Antibody - BSA Free [NBP1-76800] - Validation of IKK epsilon in Human Pancreas Tissue. Immunohistochemical analysis of paraffin-embedded human pancreas tissue using anti-IKK epsilon antibody at 10 ug/ml. Tissue was fixed with formaldehyde and blocked with 10% serum for 1h at RT; antigen retrieval was by heat mediation with a citrate buffer (pH6). Samples were incubated with primary antibody overnight at 4C. A goat anti-rabbit IgG H&L (HRP) at 1/250 was used as secondary. Counter stained with Hematoxylin.



Publications

Peant B, Diallo JS, Lessard L et al. Regulation of IkappaB kinase epsilon expression by the androgen receptor and the nuclear factor-kappaB transcription factor in prostate cancer. *Mol Cancer Res.* 2007-01-01 [PMID: 17259348] (WB, Human)

Details:

Imgenex antibodies cited [WB (human androgen-dependent prostate cancer cell lines), Figs. 1A, 3B, 4, 5A,B]: 1. IMG-5571 (IKK-epsilon) 2. IMG-139A (TBK-1).



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Products Related to NBP1-76800

NBP1-76800PEP	IKK epsilon/IKBKE Antibody Blocking Peptide
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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