



Catalog: OM281794

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IKK beta Antibody

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☐ 100ug

Product profile

Product name	IKK beta Antibody
Antibody Type	Primary Antibodies
Product description	<p>IKK beta Antibody: Nuclear factor kappa B (NF-κB) is a ubiquitous transcription factor and an essential mediator of gene expression during activation of immune and inflammatory responses. NF-κB mediates the expression of a great variety of genes in response to extracellular stimuli including IL-1, TNFα, and bacterial product LPS. NF-κB is associated with IκB proteins in the cell cytoplasm, which inhibit NF-κB activity. The long-sought IκB kinase (IKK), which phosphorylates IκB, and mediates IκB degradation and NF-κB activation, was recently identified by several laboratories. IKK is a serine protein kinase, and the IKK complex contains alpha and beta subunits (IKKα and IKKβ). IKKα and IKKβ interact with each other and both are essential for NF-κB activation. IKKβ phosphorylates both IκB-alpha and IκB-beta. IKKβ is expressed in variety of human tissues.¹) DiDonato JA, Hayakawa M, Rothwarf DM, Zandi E, Karin M. A cytokine-responsive IκB kinase that activates the transcription factor NF-κB. Nature 1997;388:548-54</p>
Immunogen	<p>IKK beta antibody was raised against a peptide corresponding to amino acids near the carboxy terminus of human IKK beta (Genbank accession No O14920), which differs from corresponding murine sequence by one amino acid. The immunogen is located within amino</p>

Key Feature

Clonality	Polyclonal
Isotype	IgG
Host Species	Rabbit
Tested Applications	ELISA ,ICC ,IF ,WB
Species Reactivity	Human
Concentration	1 mg/ml
Purification	Affinity purified

Target Information

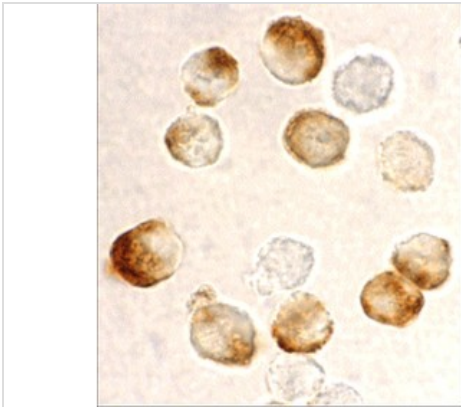
Gene Symbol	IKBKB
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Alternative Names	IKK beta Antibody: IKK2, IKKB, IMD15, NFKB1KB, IKK-beta, Inhibitor of nuclear factor kappa-B kinase subunit beta, I-kappa-B kinase 2, I-kappa-B-kinase beta
Molecular Weight(MW)	87 kDa
Sequence Similarities	3) Cat. No. 17-001 - HeLa Cell Slide
Tissue Specificity	This polyclonal antibody has no cross response to IKKa or IKKy.

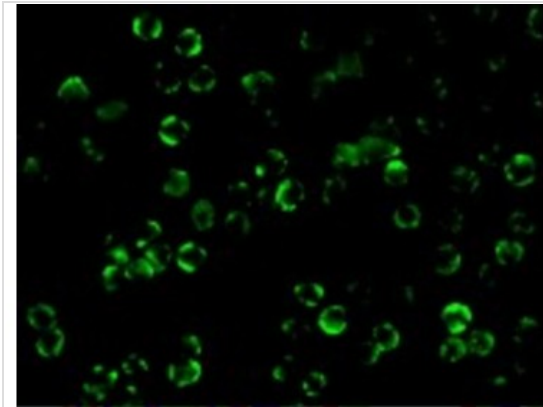
Database Links

Entrez Gene	3551
Protein Accession	O14920

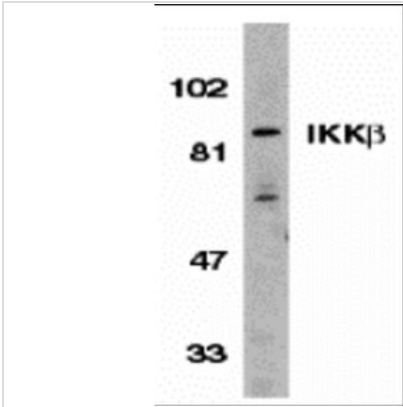
Application



Application
Immunocytochemistry staining of HeLa cells using IKK beta antibody at 10 µg/mL.



Application
Immunofluorescence of IKK beta in HeLa cells with IKK beta antibody at 10 µg/mL.



Application
Western blot analysis of IKK beta in Jurkat whole cell lysate with IKK beta antibody (C3) at 1:500 dilution.

Positive Control	1) Cat. No. 1205 - Jurkat Cell Lysate
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Application Notes

IKK beta antibody can be used for detection of IKK beta by Western blot at 0.5 µg/mL. A 87 kDa b and should be detected. Antibody can also be used for immunocytochemistry starting at 10 µg/mL. For immunofluorescence start at 10 µg/mL.:

Additional Information

Form

Liquid

Storage Instructions

IKK beta antibody can be stored at 4 °C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

Storage Buffer

IKK beta Antibody is supplied in PBS containing 0.02% sodium azide.

Note

The product is for research use only,not for use in diagnostic or therapeutic procedures.

OmnimAbs.com

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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
