



Datasheet for ABIN2856162  
**anti-IKBKB antibody (C-Term)**



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5 Images

Overview

Quantity:	100 µL
Target:	IKBKB
Binding Specificity:	C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This IKBKB antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunocytochemistry (ICC)

Product Details

Immunogen:	Recombinant protein encompassing a sequence within the C-terminus region of human IKK beta. The exact sequence is proprietary.
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Rabbit Polyclonal antibody to IKK beta (inhibitor of kappa light polypeptide gene enhancer in B-cells, kinase beta) IKK beta antibody
Purification:	Purified by antigen-affinity chromatography.

## Target Details

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Target:	IKBKB
Alternative Name:	inhibitor of nuclear factor kappa B kinase subunit beta ( <a href="#">IKBKB Products</a> )
Background:	<p>NFKB1 (MIM 164011) or NFKB2 (MIM 164012) is bound to REL (MIM 164910), RELA (MIM 164014), or RELB (MIM 604758) to form the NFKB complex. The NFKB complex is inhibited by I-kappa-B proteins (NFKBIA, MIM 164008, or NFKBIB, MIM 604495), which inactivate NF-kappa-B by trapping it in the cytoplasm. Phosphorylation of serine residues on the I-kappa-B proteins by kinases (IKBKA, MIM 600664, or IKBKB) marks them for destruction via the ubiquitination pathway, thereby allowing activation of the NF-kappa-B complex. Activated NFKB complex translocates into the nucleus and binds DNA at kappa-B-binding motifs such as 5-prime GGGRNNYYCC 3-prime or 5-prime HGGARNYYCC 3-prime (where H is A, C, or T, R is an A or G purine, and Y is a C or T pyrimidine).[supplied by OMIM]</p> <p>Cellular Localization: Cytoplasm</p>
Molecular Weight:	87 kDa
Gene ID:	3551
UniProt:	<a href="#">O14920</a>
Pathways:	<a href="#">NF-kappaB Signaling</a> , <a href="#">RTK Signaling</a> , <a href="#">TCR Signaling</a> , <a href="#">TLR Signaling</a> , <a href="#">Fc-epsilon Receptor Signaling Pathway</a> , <a href="#">Neurotrophin Signaling Pathway</a> , <a href="#">Activation of Innate immune Response</a> , <a href="#">Production of Molecular Mediator of Immune Response</a> , <a href="#">Hepatitis C</a> , <a href="#">Toll-Like Receptors Cascades</a> , <a href="#">BCR Signaling</a> , <a href="#">Ubiquitin Proteasome Pathway</a> , <a href="#">S100 Proteins</a>

## Application Details

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Application Notes:	WB: 1:500-1:3000. ICC/IF: 1:100-1:1000. IHC-P: 1:100-1:1000. Optimal dilutions/concentrations should be determined by the researcher. Not tested in other applications.
Comment:	Positive Control: DDDDK-human IKBKB-transfected 293T , PC-12 , A431 , HeLa , HepG2 Validation: Overexpression
Restrictions:	For Research Use only

## Handling

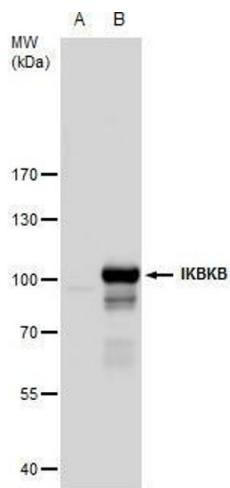
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Format:	Liquid
Concentration:	0.41 mg/mL

## Handling

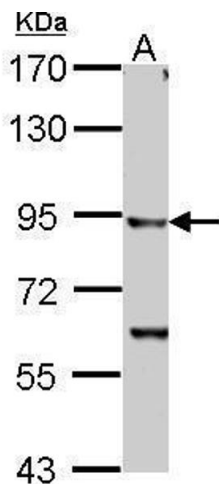
Buffer:	0.1M Tris-Glycine ( pH 7), 10 % Glycerol, 0.01 % Thimerosal
Preservative:	Thimerosal (Merthiolate)
Precaution of Use:	This product contains Thimerosal (Merthiolate): a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.

## Images



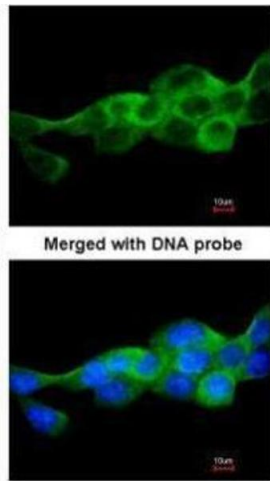
### Western Blotting

**Image 1.** WB Image IKK beta antibody detects IKK beta protein by western blot analysis. A. 30 µg 293T whole cell extract B. 30 µg whole cell extract of DDDDK-human IKBKB-transfected 293T cells 7.5 % SDS-PAGE IKK beta antibody , dilution: 1:5000



### Western Blotting

**Image 2.** WB Image IKK beta antibody detects IKBKB protein by Western blot analysis. A. 30 µg PC-12 whole cell lysate/extract 7.5 % SDS-PAGE IKK beta antibody , dilution: 1:1000



### Immunofluorescence

**Image 3.** ICC/IF Image Immunofluorescence analysis of paraformaldehyde-fixed A431, using IKK beta, antibody at 1:200 dilution.

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN2856162.