

Rabbit anti-Human, Mouse IKBKB Polyclonal Antibody | anti-ICKBKB antibody

IKBKB Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA166379	Rabbit	Human, Mouse	Immunofluorescence, Immunohistochemistry, Western Blot

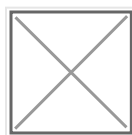
PRODUCT SYNONYMS

IKBKB; Polyclonal Antibody; IKBKB Antibody; FLJ40509; IKK-beta; IKK2; IKKB; MGC131801; NFKB1KB; anti-ICKBKB antibody

PRODUCT SPECIFICATIONS

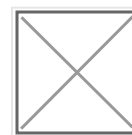
Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Antigen affinity purification
Concentration	1mg/mL (varies by lot)
Sequence Length	697
Applicable Applications for anti-ICKBKB antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthetic peptide of human IKBKB
Buffer	PBS with 0.02% sodium azide, 50% glycerol, pH7.3
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-34674 / sc-34673 / sc-7330 / sc-7329 / sc-7607
Preparation and Storage	Store at -20 degree C (regular) and -80 degree C (long term). Avoid freeze / thaw cycles.

IMAGES



IF (Immunofluorescence)

Immunofluorescence analysis of HeLa cell using IKBKB antibody. Blue: DAPI for nuclear staining



WB (Western Blot)

Western blot analysis of extracts of various cell lines, using IKBKB antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-ICKBKB antibody

The NF-kappaB/Rel transcription factors are present in the cytosol in an inactive state, complexed with the inhibitory IkappaB proteins (1-3). Most agents that activate NF-kappaB do so through a common pathway based on phosphorylation-induced, proteasome-mediated degradation of IkappaB (3-7). The key regulatory step in this pathway involves activation of a high molecular weight IkappaB kinase (IKK) complex whose catalysis is generally carried out by three tightly associated IKK subunits. IKKalpha and IKKbeta serve as the catalytic subunits of the kinase and IKKgamma serves as the regulatory subunit (8, 9). Activation of IKK depends upon phosphorylation at Ser177 and Ser181 in the activation loop of IKKbeta (Ser176 and Ser180 in IKKalpha), which causes conformational changes, resulting in kinase activation (10-13).

NCBI AND UNIPROT INFORMATION

NCBI GI #	338753358
NCBI GeneID	3551
NCBI Accession #	NP_001229707.1
NCBI GenBank Nucleotide #	NM_001242778.1
Molecular Weight	79,509 Da
NCBI Official Full Name	inhibitor of nuclear factor kappa-B kinase subunit beta isoform 5
NCBI Official Synonym Full Names	inhibitor of kappa light polypeptide gene enhancer in B-cells, kinase beta
NCBI Official Symbol	IKBKB
NCBI Official Synonym Symbols	IKK2; IKKB; IMD15; NFKB1KB; IKK-beta
NCBI Protein Information	inhibitor of nuclear factor kappa-B kinase subunit beta; I-kappa-B kinase 2; I-kappa-B-kinase beta; IKK-B; nuclear factor NF-kappa-B inhibitor kinase beta
UniProt Protein Name	Inhibitor of nuclear factor kappa-B kinase subunit beta
UniProt Gene Name	IKBKB
UniProt Synonym Gene Names	IKKB; I-kappa-B-kinase beta; IKK-B; IKK-beta; Ikbkb; IKK2; NFKB1KB
UniProt Entry Name	IKKB_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/ikbkb-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/166379>