

Rabbit anti-Human IKK alpha Polyclonal Antibody | anti-IKK alpha antibody

IKK alpha Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA301180	Rabbit	Human	Immunocytochemistry, Western Blot, ELISA

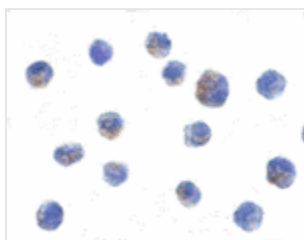
PRODUCT SYNONYMS

IKK alpha; Polyclonal Antibody; IKK alpha Antibody; IKK-1; IKKa; anti-IKK alpha antibody

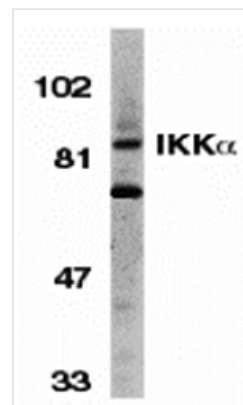
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Specificity	This polyclonal antibody has no cross response to IKKb or IKKy.
Purity/Purification	Affinity chromatography purified via peptide column
Form/Format	Supplied in PBS containing 0.02% sodium azide.
Sequence Length	2273
Applicable Applications for anti-IKK alpha antibody	ICC (Immunocytochemistry), WB (Western Blot), ELISA
Immunogen Type	Peptide
Immunogen Description	Raised against a peptide corresponding to amino acids 658 to 674 of human IKK alpha, which differs from corresponding murine sequence by one amino acid.
Target Name	IKK alpha
Preparation and Storage	Can be stored at -20 degree C, stable for 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.

IMAGES


ICC (Immunocytochemistry)

Immunocytochemistry of IKK alpha in Jurkat cells with IKK alpha antibody at 10 ug/mL.


WB (Western Blot)

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

ADDITIONAL INFORMATION

Related Product Information for anti-IKK alpha 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 bacteria 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 the NF-κB activation. IKKα specifically phosphorylates IκB-α. IKKα is expressed in a variety of human tissues.
Product Categories/Family for anti-IKK alpha antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	2327068
NCBI GeneID	1147
Molecular Weight	84,640 Da
NCBI Official Full Name	Homo sapiens IκB kinase alpha subunit (IKK alpha) mRNA, complete cds
NCBI Official Synonym Full Names	conserved helix-loop-helix ubiquitous kinase
NCBI Official Symbol	CHUK
NCBI Official Synonym Symbols	IKK1; IKKA; IKBKA; TCF16; NFKBIKA; IKK-α
NCBI Protein Information	inhibitor of nuclear factor kappa-B kinase subunit alpha
UniProt Protein Name	Inhibitor of nuclear factor kappa-B kinase subunit alpha
UniProt Gene Name	CHUK
UniProt Synonym Gene Names	IKKA; TCF16; I-κappa-B kinase alpha; IKK-A; IKK-α; IκBKA; IκappaB kinase; IKK1; NFKBIKA; TCF-16
UniProt Entry Name	IKKA_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.