

IKK alpha Antibody

Catalog No: #24043

Orders: order@signalwayantibody.comSupport: tech@signalwayantibody.com

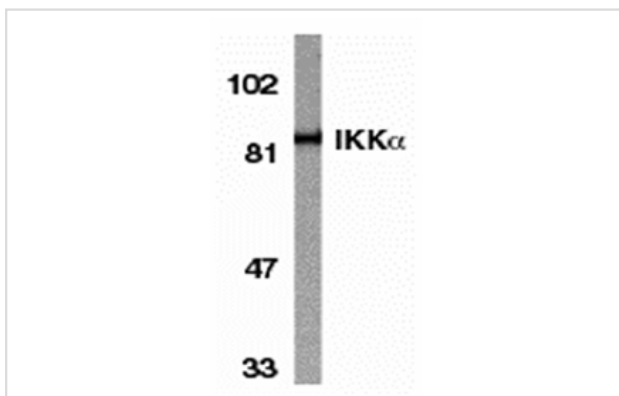
Description

Product Name	IKK alpha Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Affinity chromatography purified via peptide column
Applications	ELISA WB ICC
Species Reactivity	Hu
Specificity	Antibody has no cross response to IKKb or IKKg.
Immunogen Type	Peptide
Immunogen Description	Raised against a peptide corresponding to amino acids 716 to 734 of human IKK alpha, which differs from corresponding murine sequence by four amino acids.
Target Name	IKK alpha
Other Names	IKKa, IKK-1
Accession No.	Swiss-Prot:O15111Gene ID:1147
Uniprot	O15111
GeneID	1147;
Concentration	1mg/ml
Formulation	Supplied in PBS containing 0.02% sodium azide.
Storage	Can be stored at -20°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.

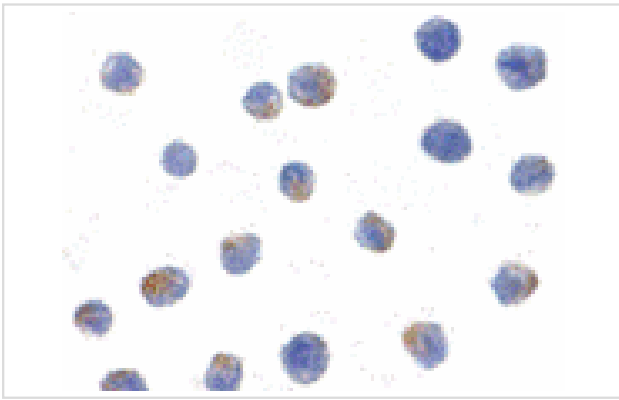
Application Details

Predicted MW: 85 kd

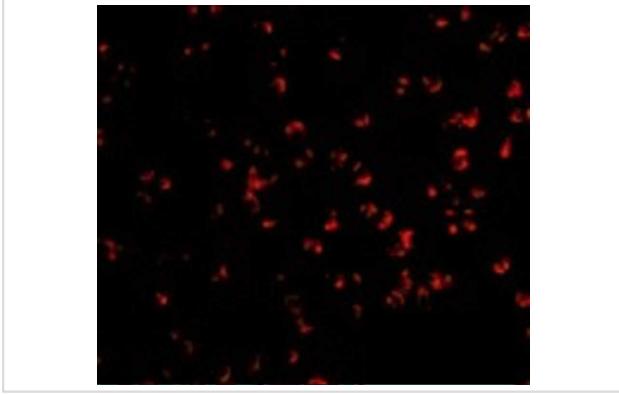
Images



Western blot analysis of IKK alpha in HeLa whole cell lysate with IKK alpha antibody at 1:1000 dilution.



Immunocytochemistry of IKK alpha in Jurkat cells with IKK alpha antibody at 1ug/mL.



Immunofluorescence of IKK alpha in Jurkat cells with IKK alpha antibody at 10 µg/mL.

Background

Nuclear factor kappa B (NF- κ B) is a ubiquitous transcription factor and an essential mediator of gene expression during activation of immune and inflammatory responses. NF- κ B mediates the expression of a great variety of genes in response to extracellular stimuli including IL-1, TNF α , and bacteria product LPS. NF- κ B is associated with I κ B proteins in the cell cytoplasm, which inhibit NF- κ B activity. The long-sought I κ B kinase (IKK), which phosphorylates I κ B, and mediates I κ B degradation and NF- κ B activation, was recently identified by several laboratories. IKK is a serine protein kinase, and the IKK complex contains alpha and beta subunits (IKK α and IKK β). IKK α and IKK β interact with each other and both are essential for the NF- κ B activation. IKK α specifically phosphorylates I κ B-alpha. IKK α is expressed in variety of human tissues.

Note: This product is for in vitro research use only