

IKK beta Antibody

Catalog No: #24063

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

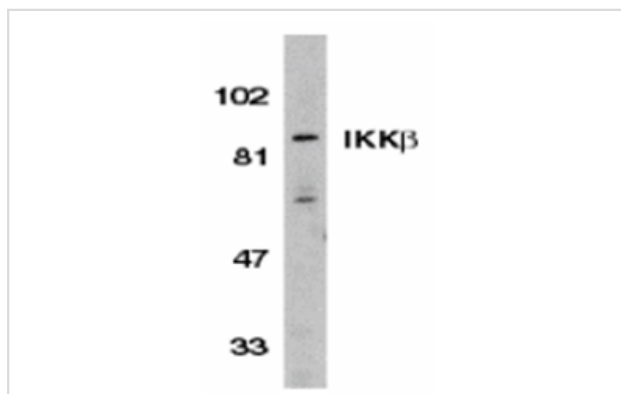
Description

Product Name	IKK beta Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Affinity chromatography purified via peptide column
Applications	ELISA WB ICC
Species Reactivity	Hu
Specificity	This polyclonal antibody has no cross response to IKKa or IKKy.
Immunogen Type	Peptide
Immunogen Description	Raised against a peptide corresponding to amino acids near the carboxy terminus of human IKK beta (Genbank accession NoO14920), which differs from corresponding murine sequence by one amino acid.
Target Name	IKK beta
Other Names	IKK beta, I-kappa-B-kinase beta, I-kappa-B-kinase 2
Accession No.	O14920
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.

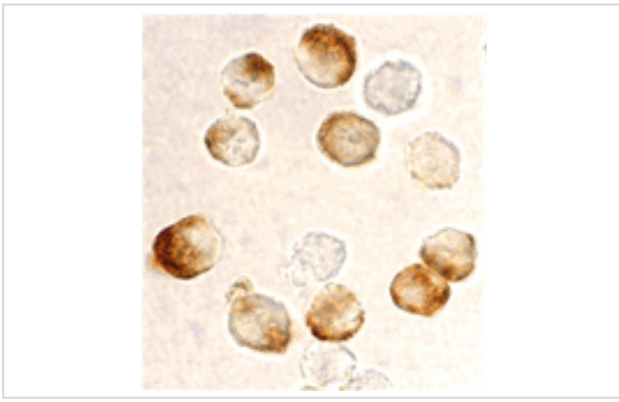
Application Details

Predicted MW: 87 kd

Images



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



Immunocytochemistry staining of HeLa cells using IKK beta antibody at 10 ug/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 NF- κ B activation. IKK β phosphorylates both I κ B-alpha and I κ B-beta. IKK β is expressed in variety of human tissues.

Note: This product is for in vitro research use only and is not intended for use in humans or animals.