

IKK beta Antibody

Catalog No: #24063

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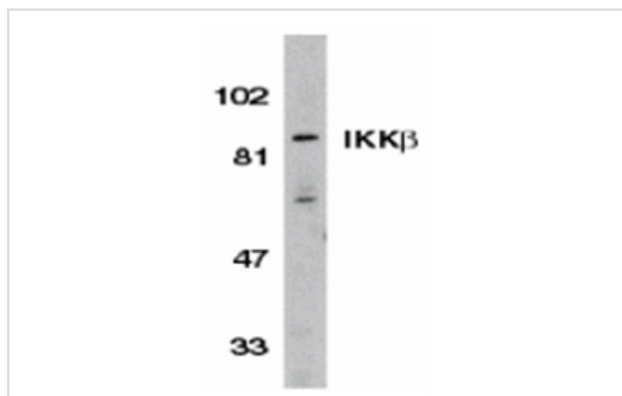
Description

| | |
|-----------------------|---|
| 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 |
| Uniprot | O14920 |
| GeneID | 3551; |
| 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. |

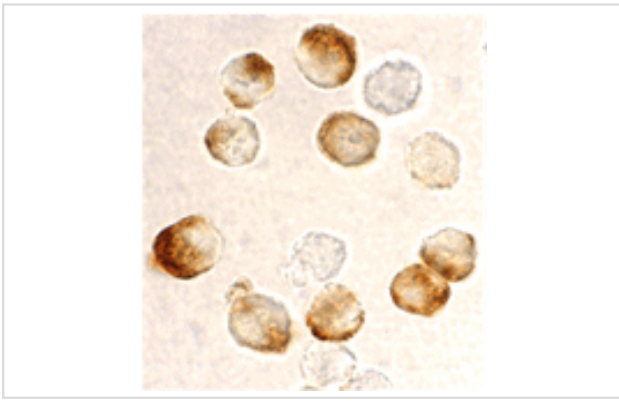
Application Details

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