IKK epsilon Antibody

Catalog No: #24121

Description

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Product Name	IKK epsilon Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Affinity chromatography purified via peptide column
Applications	ELISA WB IHC
Species Reactivity	Hu
Specificity	It has no cross response to IKKa, IKKb, or IKKy.
Immunogen Type	Peptide
Immunogen Description	Raised against a peptide corresponding to amino acids 701 to 716 of human IKK epsilon/IKK-i.
Target Name	IKK epsilon
Other Names	IKKi, IKKe
Accession No.	Swiss-Prot:Q14164Gene ID:9641
Uniprot	Q14164
GeneID	9641;
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: 80 kd

Images
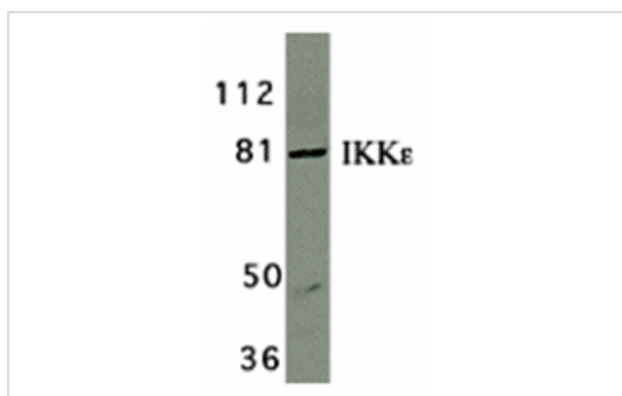
Western blot analysis of IKK epsilon in Jurkat whole cell lysate with IKK epsilon/IKK-i antibody at 1 ug/mL.
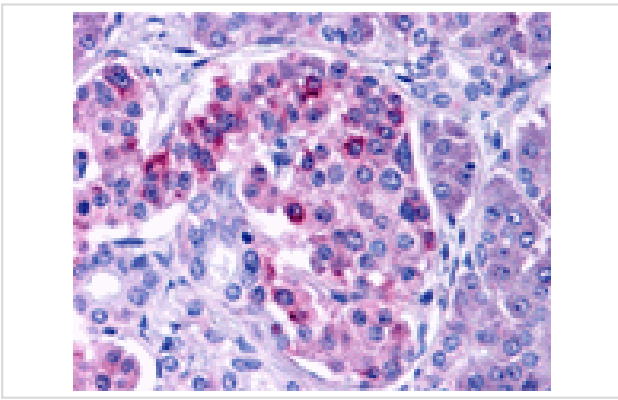
Immunohistochemistry of IKK epsilon in human pancreas tissue with IKK epsilon antibody at 10 ug/mL.

Background

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. NF-κB is associated with IκB proteins in the cell cytoplasm, which inhibit NF-κB activity. IκB is phosphorylated by IκB kinase (IKK) complex that contains IKKα, IKKβ, and IKKγ. A novel molecule in the IKK complex was recently identified and designated IKKε/IKK-i. IKK epsilon is required for the activation of NF-κB by PMA and T cell receptors but not by TNFα and IL-1. IKKε/IKK-i message is expressed in a variety of tissues and is inducible by TNFα, IL-1, and LPS.

Note: This product is for in vitro research use only