NAK Antibody

Catalog No: #24127

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

Description

Product Name	NAK Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Affinity chromatography purified via peptide column
Applications	ELISA WB ICC
Species Reactivity	Hu Ms
Specificity	No cross response to IKKa, IKKb, IKKy, or IKKe.
Immunogen Type	Peptide
Immunogen Description	Raised against a synthetic peptide corresponding to 17 amino acids form near the carboxy terminus of human NAK/TBK1.
Target Name	NAK
Other Names	TBK1
Accession No.	Swiss-Prot:Q9UHD2Gene ID:29110
Uniprot	Q9UHD2
GeneID	29110;
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: 84 kd

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. Phosphorylation of I-kappaB by IκB kinase (IKK) complex leads to degradation of I-kappaB and activation of NF-κB. The IKK complex contains IKKα, IKKβ, and IKKγ. A novel IKK related kinase was recently identified and designated TBK1 (TANK-binding kinase 1), NAK (NF-κB-activating kinase), and T2K. NAK/TBK1 activates IKKβ through direct phosphorylation. NAK/TBK1 is activated by growth factors and PMA and mediates IKK and NF-κB activation in response to growth factors. NAK/TBK1 functions upstream of NIK and the IKK complex. NAK/TBK1 is also critical in protecting embryonic liver from apoptosis.

Note: This product is for in vitro research use only