

Anti-NAK TBK1 Antibody

Catalog Number: A00261

About TBK1

Nuclear factor kappa B (NF-kappaB) is a ubiquitous transcription factor and an essential mediator of gene expression during activation of immune and inflammatory responses. NF-kappaB mediates the expression of a great variety of genes in response to extracellular stimuli. NF-kappaB is associated with I-kappaB proteins in the cell cytoplasm, which inhibit NF-kappaB activity. Phosphorylation of I-kappaB by I-kappaB kinase (IKK) complex leads to degradation of I-kappaB and activation of NF-kappaB. The IKK complex contains IKKalpha, IKKbeta, and IKKgamma. A novel IKK related kinase was recently identified and designated TBK1 (TANK-binding kinase 1), NAK (NF-kappaB-activating kinase), and T2K. NAK/TBK1 activates IKKbeta through direct phosphorylation. NAK/TBK1 is activated by growth factors and PMA and mediates IKK and NF-kappaB 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.

Overview

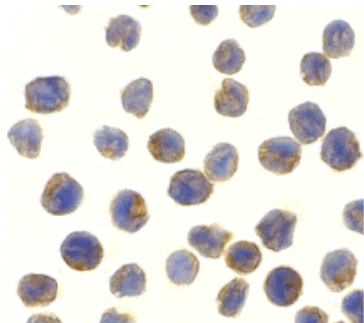
Product Name	Anti-NAK TBK1 Antibody
Reactive Species	Human, Mouse
Description	Boster Bio Anti-NAK TBK1 Antibody (Catalog # A00261). Tested in ELISA, WB, ICC applications. This antibody reacts with Human, Mouse.
Application	ELISA, ICC, WB
Clonality	Polyclonal
Formulation	NAK Antibody is supplied in PBS containing 0.02% sodium azide.
Storage Instructions	NAK antibody can be stored at 4°C for three months and -20°C, stable for up to one year. Avoid repeated freeze-thaw cycles. Antibodies should not be exposed to prolonged high temperatures.
Host	Rabbit
Uniprot ID	Q9UHD2

Technical Details

Immunogen	NAK antibody was raised against a synthetic peptide corresponding to 17 amino acids form near the carboxy terminus of human NAK/TBK1. The immunogen is located within the last 50 amino acids of NAK.
Predicted Reactive Species	Chicken
Cross Reactivity	No cross response to IKKa, IKKb, IKKy, or IKKe.
Isotype	IgG
Form	Liquid

Concentration	1 mg/ml
Purification	NAK Antibody is affinity chromatography purified via peptide column.
Suggested Dilutions	NAK antibody can be used for detection of NAK/TBK1 by Western blot. An 84 kDa band should be detected. Antibody can also be used for immunocytochemistry starting at 10 ug/mL. Antibody validated: Immunocytochemistry in human samples. All other applications and species not yet tested. Optimal dilutions for each application should be determined by the researcher.

Anti-NAK TBK1 Antibody (A00261) Images



Immunocytochemistry of NAK in MOLT4 cells with NAK antibody at 10 ug/mL.

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Anti-NAK TBK1 Antibody

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