

NAK Antibody

Catalog No: #24127

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Description

| | |
|-----------------------|---|
| Product Name | NAK Antibody |
| Host Species | Rabbit |
| Clonality | Polyclonal |
| Purification | Affinity chromatography purified via peptide column |
| Applications | E WB ICC |
| Species Reactivity | Hu Ms |
| Specificity | No cross response to IKK α , IKK β , IKK γ , or IKK ϵ . |
| 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. | NP_037386 |
| 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

Images



Immunocytochemistry of NAK in MOLT4 cells with NAK 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. NF- κ B is associated with I κ B proteins in the cell cytoplasm, which inhibit NF- κ B activity. Phosphorylation of I- κ B by I κ B kinase (IKK) complex leads to degradation of I- κ B and activation of NF- κ B. The IKK complex contains IKK α , IKK β , and IKK γ . A novel IKK related kinase was recently identified and designated TBK1 (TANK-binding kinase 1), NAK (NF- κ B-activating kinase), and T2K. NAK/TBK1 activates IKK β through direct phosphorylation. NAK/TBK1 is activated

by growth factors and PMA and mediates IKK and NF- κ B 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 and is not intended for use in humans or animals.