
NAK Antibody

Subcategory: Rabbit Polyclonal Antibody

Cat. No.: 253383

Unit: 0.1 mg

Description:

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.

Isotype: Rabbit Ig

Applications: E, WB, ICC

Species Reactivity: H, M

Format: Each vial contains 0.1 ml IgG in PBS pH 7.4 with 0.02% sodium azide. Antibody was purified by immunogen affinity chromatography.

Alternate Names: NAK ; TBK1

Accession No.: NP_037386

Antigen: KLH-conjugated synthetic peptide encompassing a sequence within human NAK.

Application Notes: E: 1:500-1:1,000; WB: 1:100-1:500; ICC: 1:100-1:500

Storage: Store at -20°C. Minimize freeze-thaw cycles.

Product is guaranteed one year from the date of shipment.

For research use only, not for diagnostic or therapeutic procedures.