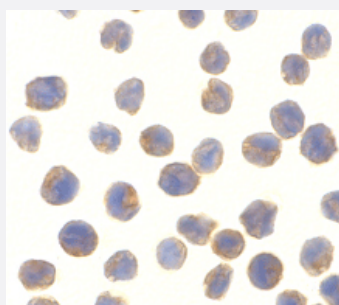


TBK1 polyclonal antibody

Catalog # PAB12859 Size 100 ug

Applications



Immunocytochemistry

Immunocytochemistry of TBK1 in MOLT 4 cells with TBK1 polyclonal antibody (Cat # PAB12859) at 10 ug/mL .

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of TBK1.
Immunogen	A synthetic peptide corresponding to C-terminus 17 amino acids of human TBK1.
Host	Rabbit
Reactivity	Human, Mouse
Specificity	A 84 KDa band should be detected. It is human, mouse and rat reactive and has no cross response to IKKa, IKKb, IKKy, or IKKe.
Form	Liquid
Recommend Usage	Western Blot (0.5-1 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.02% sodium azide)
Storage Instruction	Store at 4°C for three months. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot
- Immunocytochemistry

Immunocytochemistry of TBK1 in MOLT 4 cells with TBK1 polyclonal antibody (Cat # PAB12859) at 10 ug/mL .

Gene Info — TBK1

Entrez GeneID [29110](#)

Protein Accession# [NP_037386](#)

Gene Name TBK1

Gene Alias FLJ11330, NAK, T2K

Gene Description TANK-binding kinase 1

Omim ID [604834](#)

Gene Ontology [Hyperlink](#)

Gene Summary The NF-kappa-B (NFKB) complex of proteins is inhibited by I-kappa-B (IKB) proteins, which inactivate NFKB by trapping it in the cytoplasm. Phosphorylation of serine residues on the IKB proteins by IKB kinases marks them for destruction via the ubiquitination pathway, thereby allowing activation and nuclear translocation of the NFKB complex. The protein encoded by this gene is similar to IKB kinases and can mediate NFKB activation in response to certain growth factors. For example, the protein can form a complex with the IKB protein TANK and TRAF2 and release the NFKB inhibition caused by TANK. [provided by RefSeq]

Other Designations NF-kB-activating kinase

Publication Reference

- [Deficiency of T2K leads to apoptotic liver degeneration and impaired NF-kappaB-dependent gene transcription.](#)

Bonnard M, Mirtsos C, Suzuki S, Graham K, Huang J, Ng M, Itie A, Wakeham A, Shahinian A, Henzel WJ, Elia AJ, Shillinglaw W, Mak TW, Cao Z, Yeh WC.

The EMBO Journal 2000 Sep; 19(18):4976.

Application: WB-Ce, Human, 293 cells

- [NAK is an I \$\kappa\$ B kinase-activating kinase.](#)

Tojima Y, Fujimoto A, Delhase M, Chen Y, Hatakeyama S, Nakayama K, Kaneko Y, Nimura Y, Motoyama N, Ikeda K, Karin M, Nakanishi M.

Nature 2000 Apr; 404(6779):778.

Application: IP, WB, Human, HeLa cells

- [NF-kappaB activation by a signaling complex containing TRAF2, TANK and TBK1, a novel IKK-related kinase.](#)

Pomerantz JL, Baltimore D.

The EMBO Journal 1999 Dec; 18(23):6694.

Pathway

- [Toll-like receptor signaling pathway](#)

Disease

- [Hepatitis C](#)