

## TBK1 Rabbit mAb

Catalog No: #52074

Package Size: #52074-1 50ul #52074-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

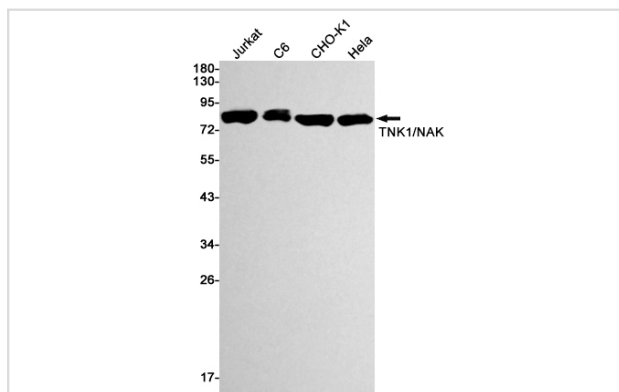
## Description

|                       |  |
|-----------------------|--|
| Product Name          | TBK1 Rabbit mAb  |
| Host Species          | Recombinant Rabbit   |
| Clonality             | Monoclonal antibody  |
| Isotype               | Rabbit IgG   |
| Purification          | Affinity-chromatography  |
| Applications          | WB;IHC;IF  |
| Species Reactivity    | Human;Mouse;Rat  |
| Immunogen Type        | Peptide  |
| Immunogen Description | A synthetic peptide of human TBK1  |
| Conjugates            | Unconjugated   |
| Modification          | Unmodification   |
| Other Names           | NAK; T2K; NF-kappa-B-activating kinase; TANK-binding kinase 1; Serine/threonine-protein kinase TBK1; T2K; TANK binding kinase 1; |
| Accession No.         | Swiss-Prot:Q9UHD2GenelD:29110  |
| Calculated MW         | Calculated MW: 84 kDa; Observed MW: 84 kDa   |
| Formulation           | Rabbit IgG in 10mM phosphate buffered saline , pH 7.4, 150mM sodium chloride, 0.05% BSA, 0.02% sodium azide and 50% glycerol.    |
| Storage               | Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.   |

## Application Details

WB 1:1000-1:2000; IHC 1:100-1:200; IF 1:50-1:200

## Images



Western blot detection of TNK1/NAK in Jurkat,C6,CHO-K1,Hela cell lysates using TNK1/NAK Rabbit mAb(1:1000 diluted).Predicted band size:84kDa.Observed band size:84kDa.

## Background

Swiss-Prot Acc.Q9UHD2. Phosphorylated IRF3 dissociates from the adapter proteins, dimerizes, and then enters the nucleus to induce expression of

interferons (PubMed:25636800). Thus, several scaffolding molecules including FADD, TRADD, MAVS, AZI2, TANK or TBKBP1/SINTBAD can be recruited to the TBK1-containing-complexes (PubMed:21931631). Under particular conditions, functions as a NF-kappa-B effector by phosphorylating NF-kappa-B inhibitor alpha/NFKBIA, IKBKB or RELA to translocate NF-Kappa-B to the nucleus

## Published Papers

---

Lai Zixuan, Zhang Yong, Hu Xiaoxia, Chen Li, Huang Weimu, Wang Juan, Chen Baoyi, Ren Mihong, Yang Bowen, Su Ziren, Chen Jiannan, Xie Jianhui, Lai Zhengquan, Xie Youliang et al., Therapeutic Effect of Brucea Javanica Oil Emulsion in Mice with Irinotecan-Induced Delayed Diarrhea, Drug design, development and therapy, (2025)

[PMID:40584920](#)

---

---

Note: This product is for in vitro research use only and is not intended for use in humans or animals.