Product Datasheet

TBK1 Rabbit mAb

Catalog No: #52074

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

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

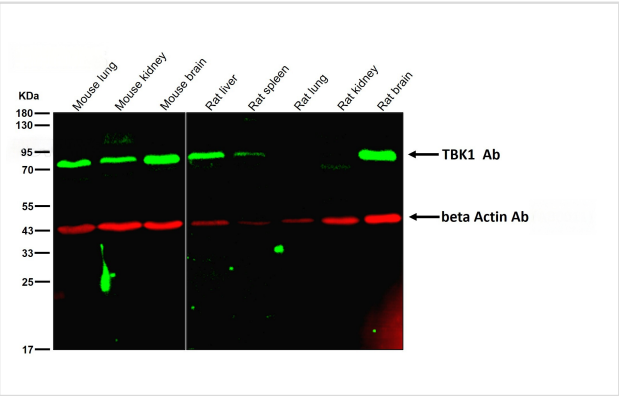
Description

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:Q9UHD2GeneID: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.

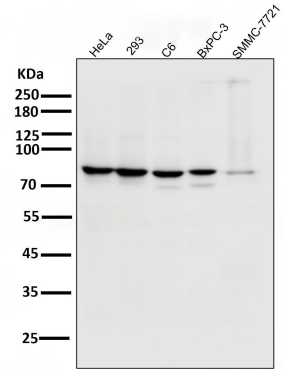
Application Details

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

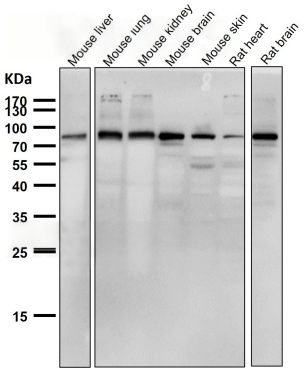
Images



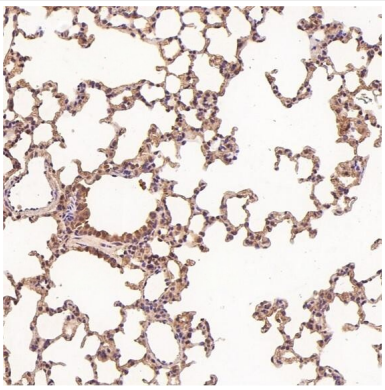
All lanes use the Antibody at 1:1K dilution for 1 hour at room temperature.



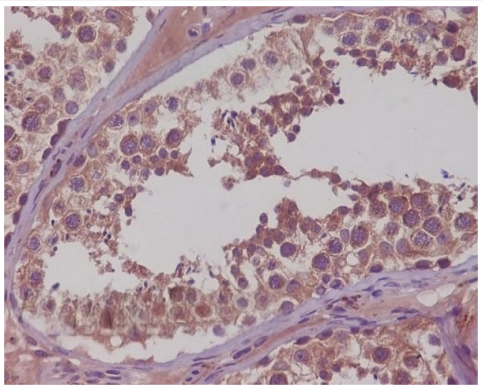
All lanes use the Antibody at 1:2K dilution for 1 hour at room temperature.



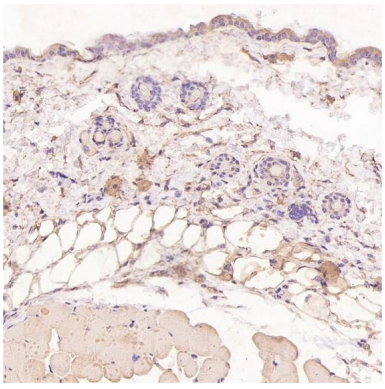
All lanes use the Antibody at 1:2K dilution for 1 hour at room temperature.



Immunohistochemical analysis of paraffin-embedded Rat liver, using the Antibody at 1:100 dilution.



Immunohistochemical analysis of paraffin-embedded human testis, using TBK1 Rabbit mAb.



Immunohistochemical analysis of paraffin-embedded Mouse skin, using the Antibody at 1:100 dilution.

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 el at., Therapeutic Effect of Brucea Javanica Oil Emulsion in Mice with Irinotecan-Induced Delayed Diarrhea, Drug design, development and therapy, (2025)

PMID:40584920

Lai Zixuan, Zhang Yong, Huang Weimu, Wang Juan, Liu Chunting, Ren Mihong, Huang Xiaoqi, Chen Jiannan, Xie Jianhui, Chen Baoyi, Lai Zhengquan, Xie Youliang el at., Brusatol ameliorates irinotecan-induced delayed diarrhea via inhibition of the cGAS-STING pathway and modulation of intestinal flora, Phytomedicine : international journal of phytotherapy and phytopharmacology, (2025)

PMID:40684488

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