

For Research Use Only

TBK1 Monoclonal antibody

Catalog Number: 67211-1-Ig

Featured Product

11 Publications



Basic Information

Catalog Number: 67211-1-Ig	GenBank Accession Number: BC034950	Purification Method: Protein A purification
Size: 150ul, Concentration: 2000 µg/ml by Nanodrop and 1000 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 29110	CloneNo.: 2D7B1
Source: Mouse	UNIPROT ID: Q9UHD2	Recommended Dilutions: WB 1:500-1:2000
Isotype: IgG2b	Full Name: TANK-binding kinase 1	
Immunogen Catalog Number: AG28894	Observed MW: 84 kDa	

Applications

Tested Applications:
WB, ELISA

Cited Applications:
WB, IP, IF

Species Specificity:
Human, Mouse, Rat

Cited Species:
human, rat, mouse

Positive Controls:

WB : HEK-293 cells, A549 cells, U2OS cells, HepG2 cells, Jurkat cells, HSC-T6 cells, NIH/3T3 cells, 4T1 cells, HeLa cells, K-562 cells, LNCaP cells, Jurkat cells

Background Information

TBK1, also named as tumor necrosis factor (TNF) receptor-associated factor NF-κB activator (TANK)-binding kinase 1 (TBK1), NF-κB-activating kinase (NAK), T2K, is a multimeric kinase that modulates inflammation and autophagy. It is a ubiquitously expressed serine-threonine kinase belonging to the 'noncanonical IκB kinases' (IKKs) recognized for its critical role in regulating type I IFN production (PMID: 27211305). And TBK1 is an important player in yet another critical cellular function, autophagy. This antibody is specific for TBK1.

Notable Publications

Author	Pubmed ID	Journal	Application
Zhihai Zhou	33692778	Front Immunol	WB
Hongning Cai	31896065	Biomed Pharmacother	WB
Walaa Alshafie	36415206	F1000Res	WB

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

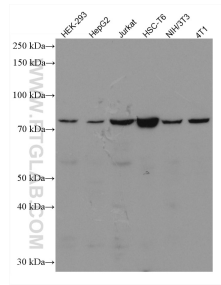
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

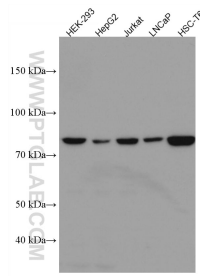
E: proteintech@ptglab.com
W: ptglab.com

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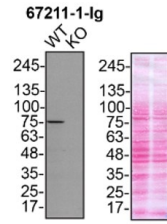
Selected Validation Data



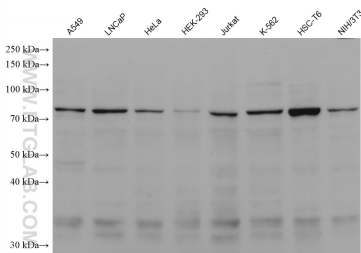
Various lysates were subjected to SDS PAGE followed by western blot with 67211-1-Ig (TBK1 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



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U2OS (WT and TBK1 KO) lysates prepared with RIPA buffer, 50 µg protein loaded. 67211-1-Ig incubated at 1:5000 at 4°C overnight in 5% BSA in TBST. Ponceau stained transfers shown on right. Data provided by YCharOS, an open science company with a mission to validate commercial antibodies to improve scientific reproducibility and transparency.



Various lysates were subjected to SDS PAGE followed by western blot with 67211-1-Ig (TBK1 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.