

For Research Use Only

TBK1 Recombinant antibody

Catalog Number:83686-3-RR



Basic Information

Catalog Number: 83686-3-RR	GenBank Accession Number: BC034950	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 29110	CloneNo.: 240769G5
Source: Rabbit	UNIPROT ID: Q9UHD2	Recommended Dilutions: WB 1:1000-1:8000
Isotype: IgG	Full Name: TANK-binding kinase 1	
Immunogen Catalog Number: AG28894	Observed MW: 84 kDa	

Applications

Tested Applications:
WB, ELISA

Species Specificity:
human, mouse, rat

Positive Controls:
WB : 4T1 cells, HCT 116 cells, HeLa cells, C6 cells, HSC-T6 cells, RAW 264.7 cells, mouse kidney tissue, HepG2 cells, HEK-293 cells, Jurkat cells, NIH/3T3 cells

Background Information

TBK1, also named as tumor necrosis factor (TNF) receptor-associated factor NF- κ B activator (TANK)-binding kinase 1 (TBK1), NF- κ B-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 I κ B 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.

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

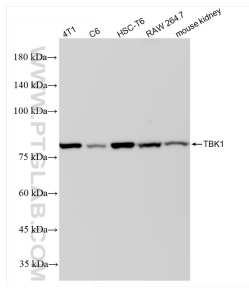
For technical support and original validation data for this product please contact:

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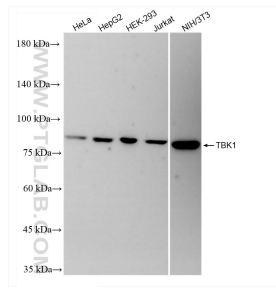
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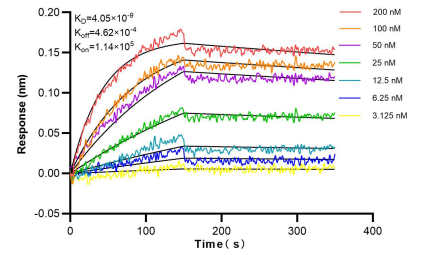
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 83686-3-RR (TBK1 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



Various lysates were subjected to SDS PAGE followed by western blot with 83686-3-RR (TBK1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Biolayer interferometry (BLI) kinetic assays of 83686-3-RR against Human TBK1 were performed. The affinity constant is 4.05 nM.