

For Research Use Only

Phospho-TBK1 (Ser172) Recombinant antibody



Catalog Number: 82383-1-RR **3 Publications**

Basic Information

Catalog Number: 82383-1-RR	GenBank Accession Number: BC034950	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 29110	CloneNo.: 2K2
Source: Rabbit	UNIPROT ID: Q9UHD2	Recommended Dilutions: WB 1:5000-1:50000
Isotype: IgG	Full Name: TANK-binding kinase 1	
	Observed MW: 84 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : Calyculin A treated HeLa cells,
Cited Applications: WB	
Species Specificity: Human	
Cited Species: human, mouse	

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.

Notable Publications

Author	Pubmed ID	Journal	Application
Lizhi Liu	38430516	Cell Rep	
Tao Yang	38220141	Eur J Pharmacol	WB
Weijie Ouyang	37735446	Signal Transduct Target Ther	WB

Storage

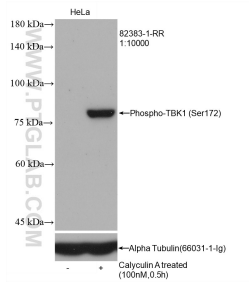
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 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)
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Selected Validation Data



Non-treated and Calyculin A treated HeLa cells were subjected to SDS PAGE followed by western blot with 82383-1-RR (Phospho-TBK1 (Ser172) antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. The membrane was stripped and re-blotted with Alpha Tubulin antibody as loading control.