

For Research Use Only

# Phospho-TBK1 (Ser172) Recombinant antibody



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

## Basic Information

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

## Applications

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

## 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.

## 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

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

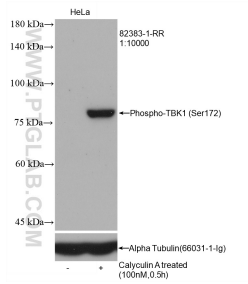
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## Selected Validation Data



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.