For Research Use Only

Phospho-TBK1 (Ser172) Recombinant antibody

Catalog Number:82383-1-RR 3 Publications

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Basic Information

Catalog Number:
82383-1-RR

Size:
1000 μg/ml

Source:
Rabbit

Isotype:
IgG

GenBank Accession Number:
BC034950

GeneID (NCBI):
29110

UNIPROT ID:
Q9UHD2

Full Name:
TANK-binding kinase 1

Observed MW:
84 kDa

Purification Method:
Protein A purification

CloneNo.:
2K2

Recommended Dilutions:
WB 1:5000-1:50000

Applications

Tested Applications:
WB, ELISA

Cited Applications:
WB

Species Specificity:
Human

Cited Species:
human, mouse

Positive Controls:

WB : Calyculin A treated HeLa cells,

Background Information

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

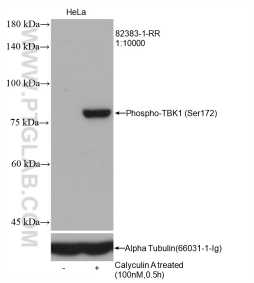
Notable Publications

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

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.