

For Research Use Only

# Phospho-TBK1 (Ser172) Recombinant monoclonal antibody, PBS Only

Catalog Number: 82382-2-PBS

1 Publications



## Basic Information

Catalog Number:

82382-2-PBS

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.:

241787G12

## Applications

Tested Applications:

WB, FC (Intra), Indirect ELISA

Cited Applications:

WB

Species Specificity:

human

Cited Species:

mouse

## Background Information

The serine/threonine protein kinase TBK1, discovered two decades ago as a member of the I  $\kappa$  B kinase (IKK) protein kinase family, plays crucial roles in regulating innate immune response by promoting type I interferon (IFN) and modulating NF- $\kappa$ B signaling. The phosphorylation of Ser172 residue on TBK1 is critical and is commonly used as an indicator for its activity. (PMID: 39279883)

## Notable Publications

Author	Pubmed ID	Journal	Application
Lingzhi Huang	40462493	Clin Transl Med	WB

## Storage

Storage:

Store at -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS only, pH7.3

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

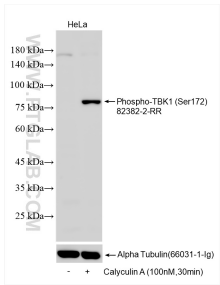
T: 4006900926

E: Proteintech-CN@ptglab.com

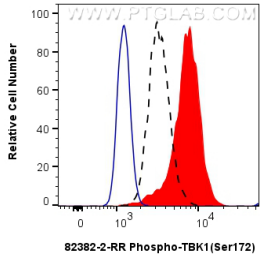
W: ptgcn.com

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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 82382-2-RR (Phospho-TBK1 (Ser172) antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours. The membrane was stripped and re-blotted with Alpha Tubulin (66031-1-Ig) antibody as a loading control. This data was developed using the same antibody clone with 82382-2-PBS in a different storage buffer formulation.



1X10<sup>6</sup> HeLa cells untreated (dashed lines) or treated with Calyculin A which intracellularly stained with 0.06 ug Phospho-TBK1 (Ser172) Recombinant antibody (82382-2-RR, Clone:241787G12) and Coralite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2)(red), or 0.06 ug Rabbit IgG Isotype Control RecAb (98136-1-RR, Clone: 240953C9) (blue). Cells were fixed with 4% PFA and permeabilized with 90% MeOH. This data was developed using the same antibody