

For Research Use Only

Phospho-TBK1 (Ser172) Recombinant antibody

Catalog Number: 82382-2-RR



Basic Information

Catalog Number:

82382-2-RR

Size:

100ul, Concentration: 1000 µg/ml by Nanodrop;

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

Recommended Dilutions:

WB 1:500-1:2000

Applications

Tested Applications:

WB, FC (Intra), ELISA

Species Specificity:

human

Positive Controls:

WB : Calyculin A treated HeLa cells,

Background Information

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

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

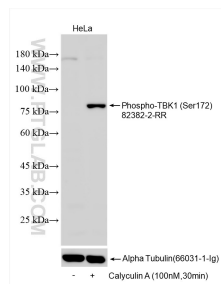
For technical support and original validation data for this product please contact:

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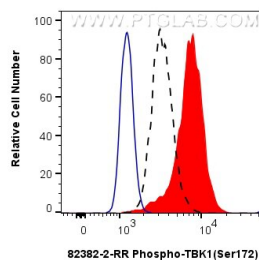
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Selected Validation Data



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.



1×10^6 HeLa cells untreated (dashed lines) or treated with Calyculin A which intracellularly stained with 0.06 μ g 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 μ g Rabbit IgG Isotype Control RecAb (98136-1-RR, Clone: 240953C9) (blue). Cells were fixed with 4% PFA and permeabilized with 90% MeOH.