

For Research Use Only

Phospho-TAK1 (Thr187) Recombinant antibody

Catalog Number: 81785-1-RR



Basic Information

Catalog Number:

81785-1-RR

Concentration:

1000 ug/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

BC017715

GeneID (NCBI):

6885

UNIPROT ID:

O43318

Full Name:

mitogen-activated protein kinase kinase kinase 7

Calculated MW:

579 aa, 64 kDa

Observed MW:

75-85 kDa

Purification Method:

Protein A purification

CloneNo.:

206

Recommended Dilutions:

WB: 1:20000-1:100000

FC (Intra): 0.13 ug per 10⁶ cells in a 100 µl suspension

Applications

Tested Applications:

WB, FC (Intra), ELISA

Species Specificity:

human

Positive Controls:

WB : Calyculin A treated HEK-293 cells, Calyculin A treated HeLa cells

FC (Intra) : Calyculin A treated HEK-293 cells,

Background Information

MAP3K7(Mitogen-activated protein kinase kinase kinase 7) is also named TAK1 and belongs to the MAP kinase kinase kinase subfamily. It plays an important role in the cascades of cellular responses evoked by changes in the environment. It has been linked to interleukin-1 receptor and tumor necrosis factor receptor signaling (PMID: 16186825). It has 4 isoforms (53-55 kDa; 64-70 kDa and 75-80 kDa) produced by alternative splicing.

Storage

Storage:

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

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

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

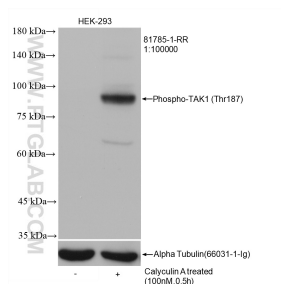
T: 4006900926

E: Proteintech-CN@ptglab.com

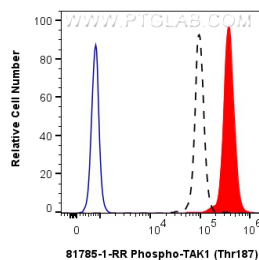
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Selected Validation Data



Non-treated and Calyculin A treated HEK-293 cells were subjected to SDS PAGE followed by western blot with 81785-1-RR (Phospho-TAK1 (Thr187) antibody) at dilution of 1:100000 incubated at room temperature for 1 hour. The membrane was stripped and re-blotted with Alpha Tubulin antibody as loading control.



1×10^6 HEK-293 cells untreated (dashed lines) or treated with Calyculin A were intracellularly stained with 0.13 μ g Phospho-TAK1 (Thr187) Recombinant antibody (81785-1-RR, Clone:206) and CoraLite® 488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2)(red), or 0.13 μ g Rabbit IgG Isotype Control Recombinant Antibody (98136-1-RR, Clone: 240953C9) (blue). Cells were fixed with 4% PFA and permeabilized with 90% MeOH.