

For Research Use Only

Phospho-TAK1 (Ser439) Polyclonal antibody



Catalog Number: 30895-1-AP

Basic Information

Catalog Number:

30895-1-AP

Size:

240 µg/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:

70 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

Human

Positive Controls:

WB: HEK-293T cells, λ phosphatase treated HEK-293T cells

Background Information

MAP3K7 (Mitogen-activated protein kinase kinase kinase 7) is also named as TAK1 and belongs to the MAP kinase kinase kinase subfamily. TAK1 has been identified as a crucial regulatory component of MAPK and nuclear factor-κB (NF-κB) signaling pathways, which play a key role in lipid metabolism and inflammation. Activated TAK1 then phosphorylates downstream substrates to spark the NF-κB and MAPK signaling pathways. Hence, phospho-TAK1 confers most of its regulatory functions, and inhibiting the hyperactivation of TAK1 should be a promising NASH (Nonalcoholic steatohepatitis) therapy. (PMID: 34146477)

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:

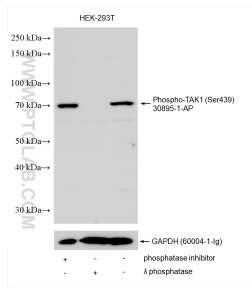
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Selected Validation Data



Phosphatase inhibitor treated HEK-293T cells, λ phosphatase treated HEK-293T cells, and non-treated HEK-293T cells were subjected to SDS PAGE followed by western blot with 30895-1-AP (Phospho-TAK1 (Ser439) antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours. The membrane was stripped and re-blotted with GAPDH (60004-1-Ig) antibody as a loading control.