

For Research Use Only

Phospho-TAK1 (Ser439) Polyclonal antibody

Catalog Number: 30895-1-AP



Basic Information

Catalog Number: 30895-1-AP	GenBank Accession Number: BC017715	Purification Method: Antigen affinity purification
Size: 100ul , Concentration: 240 ug/ml by Nanodrop;	GeneID (NCBI): 6885	Recommended Dilutions: WB 1:500-1:1000
Source: Rabbit	UNIPROT ID: O43318	
Isotype: IgG	Full Name: mitogen-activated protein kinase kinase kinase 7	
	Calculated MW: 579 aa, 64 kDa	
	Observed MW: 70 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : HEK-293T cells, λ phosphatase treated HEK-293T cells
Species Specificity: human	

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) This antibody is equivalent to Ser412 in mice.

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

*** 20ul sizes contain 0.1% BSA

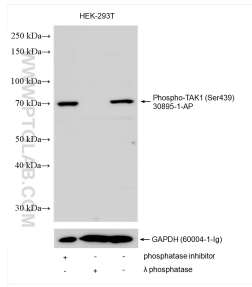
For technical support and original validation data for this product please contact:

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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.