For Research Use Only

Phospho-TAK1 (Ser439) Polyclonal antibody Catalog Number: 30895-1-AP



Catalog Number: GenBank Accession Number: **Purification Method: Basic Information** 30895-1-AP BC017715 Antigen affinity purification GenelD (NCBI): Recommended Dilutions: Concentration: 240 ug/ml 6885 WB 1:500-1:1000 UNIPROT ID: Source: Rabbit 043318 Isotype: Full Name: IgG mitogen-activated protein kinase kinase kinase 7 Calculated MW: 579 aa. 64 kDa **Observed MW:** 70 kDa **Applications Tested Applications:** Positive Controls: WB, ELISA WB : HEK-293T cells, λ phosphatase treated HEK-293T Species Specificity: cells 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 factorκ B (NF- κ B) signaling pathways, which play a key role in lipid metabolism and inflammation. Activated TAK1 then phosphorylates downstream substrates to spark the NF- κ B 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

For technical support and original validation data for this product please contact:T: 4006900926E: Proteintech-CN@ptglab.comW: ptgcn.com

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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.