

For Research Use Only

Phospho-SAMHD1 (Thr592) Polyclonal antibody

Catalog Number: 31597-1-AP



Basic Information

Catalog Number: 31597-1-AP	GenBank Accession Number: BC036450	Purification Method: Antigen affinity purification
Size: 100ul , Concentration: 600 ug/ml by Nanodrop;	GeneID (NCBI): 25939	Recommended Dilutions: WB 1:500-1:2000
Source: Rabbit	UNIPROT ID: Q9Y3Z3	
Isotype: IgG	Full Name: SAM domain and HD domain 1	
	Calculated MW: 626 aa, 72 kDa	
	Observed MW: 72 kDa	

Applications

Tested Applications:
WB, ELISA

Species Specificity:
human

Positive Controls:

WB : THP-1 cells, λ phosphatase treated THP-1 cells

Background Information

SAMHD1 is a GTP/dGTP-activated deoxynucleotide triphosphohydrolase. Human SAMHD1 is a 626 amino acid protein comprising an N-terminal nuclear localisation signal, two major structural domains. SAMHD1 has been reported to have alternative nuclease and/or RNA binding activities that, dependent on the cellular circumstances, can also mediate restriction of HIV-1. In addition, restriction is regulated by Threonine 592 phosphorylation and removing this regulation may enable SAMHD1 to inhibit HIV-1 in cycling cells.

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

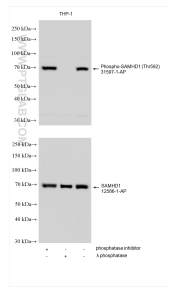
For technical support and original validation data for this product please contact:

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Selected Validation Data



Non-treated THP-1 cells, phosphatase inhibitor treated THP-1 cells and λ phosphatase treated THP-1 cells were subjected to SDS PAGE followed by western blot with 31597-1-AP (Phospho-SAMHD1 (Thr592) antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours. The membrane was stripped and re-blotted with SAMHD1 (12586-1-AP) antibody as a loading control.