

For Research Use Only

# Phospho-SAMHD1 (Thr592) Polyclonal antibody

Catalog Number: 31597-1-AP



## Basic Information

Catalog Number:

31597-1-AP

Size:

600 ug/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

BC036450

GeneID (NCBI):

25939

UNIPROT ID:

Q9Y3Z3

Full Name:

SAM domain and HD domain 1

Calculated MW:

626 aa, 72 kDa

Observed MW:

72 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

## Applications

Tested Applications:

WB, ELISA

Species Specificity:

human

Positive Controls:

WB : THP-1 cells,  $\lambda$  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

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

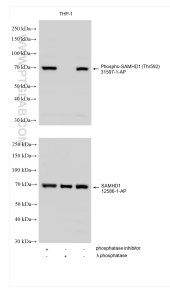
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

W: [ptgcn.com](http://ptgcn.com)

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

## Selected Validation Data



Non-treated THP-1 cells, phosphatase inhibitor treated THP-1 cells and  $\lambda$  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.