

Datasheet for ABIN7149715  
**anti-SAMHD1 antibody (AA 1-314) (Biotin)**



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## Overview

|                      |                                              |
|----------------------|----------------------------------------------|
| Quantity:            | 100 µL                                       |
| Target:              | SAMHD1                                       |
| Binding Specificity: | AA 1-314                                     |
| Reactivity:          | Human                                        |
| Host:                | Rabbit                                       |
| Clonality:           | Polyclonal                                   |
| Conjugate:           | This SAMHD1 antibody is conjugated to Biotin |
| Application:         | ELISA                                        |

## Product Details

|                   |                                                                                             |
|-------------------|---------------------------------------------------------------------------------------------|
| Immunogen:        | Recombinant Human Deoxynucleoside triphosphate triphosphohydrolase SAMHD1 protein (1-314AA) |
| Isotype:          | IgG                                                                                         |
| Cross-Reactivity: | Human                                                                                       |
| Purification:     | >95%, Antigen Affinity purified & Affinity purified                                         |

## Target Details

|                   |                                                                                          |
|-------------------|------------------------------------------------------------------------------------------|
| Target:           | SAMHD1                                                                                   |
| Alternative Name: | SAMHD1 ( <a href="#">SAMHD1 Products</a> )                                               |
| Background:       | Background: Host restriction nuclease involved in defense response to virus. Has dNTPase |

## Target Details

activity and reduces cellular dNTP levels to levels too low for retroviral reverse transcription to occur. Blocks early-stage virus replication in dendritic and other myeloid cells. Likewise, suppresses LINE-1 retrotransposon activity. May play a role in mediating proinflammatory responses to TNF-alpha signaling (PubMed:18546154, PubMed:19525956, PubMed:22056990, PubMed:24336198, PubMed:28229507). Has ribonuclease activity, acting on single-stranded RNA. This activity is essential for HIV-1 restriction (PubMed:25038827).

Aliases: CHBL2 antibody, DCIP antibody, Dendritic cell derived IFNG induced protein antibody, Dendritic cell-derived IFNG-induced protein antibody, Deoxynucleoside triphosphate triphosphohydrolase SAMHD1 antibody, dNTPase antibody, HD domain containing 1 antibody, HDDC1 antibody, Mg11 antibody, Monocyte protein 5 antibody, MOP 5 antibody, MOP-5 antibody, MOP5 antibody, OTTHUMP00000030889 antibody, SAM domain and HD domain 1 antibody, SAM domain and HD domain containing protein 1 antibody, SAM domain and HD domain-containing protein 1 antibody, SAMH1\_HUMAN antibody, Samhd1 antibody, SBB188 antibody

UniProt: [Q9Y3Z3](#)

## Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

## Handling

Format: Liquid

Buffer: Preservative: 0.03 % Proclin 300  
Constituents: 50 % Glycerol, 0.01M PBS, PH 7.4

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C, -80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.