

Datasheet for ABIN7149714  
**anti-SAMHD1 antibody (AA 1-314)**[Go to Product page](#)

## 3 Images

## Overview

Quantity:	100 µL
Target:	SAMHD1
Binding Specificity:	AA 1-314
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SAMHD1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC)

## 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: Recommended dilution: WB:1:1000-1:5000, IHC:1:100-1:500,

Restrictions: For Research Use only

## Handling

Format: Liquid

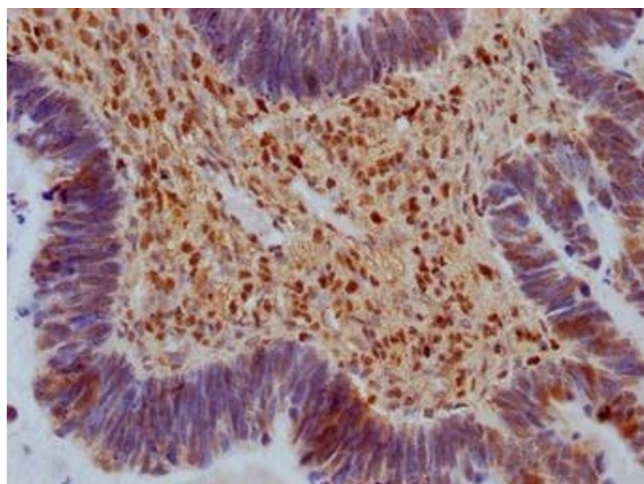
Buffer: Preservative: 0.03 % Proclin 300  
Constituents: 50 % Glycerol, 0.01M PBS, PH 7.4

Preservative: ProClin

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

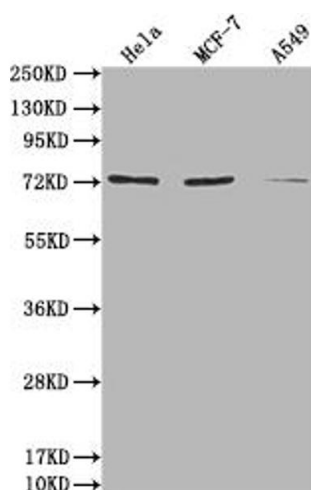
Storage: -20 °C, -80 °C

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



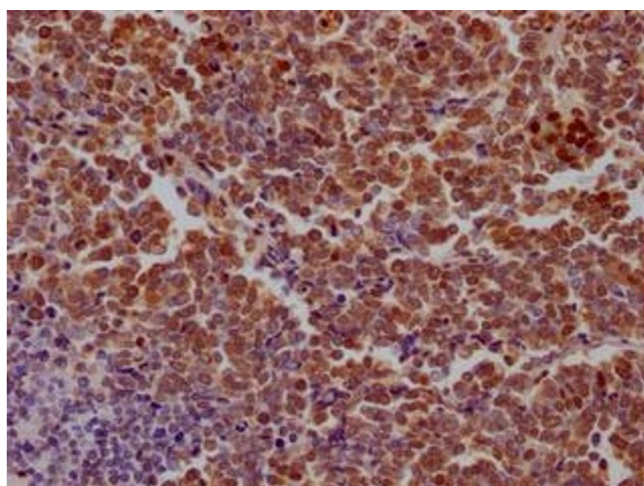
### Immunohistochemistry

**Image 1.** IHC image of ABIN7149714 diluted at 1:100 and staining in paraffin-embedded human ovarian cancer performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10 % normal goat serum 30 min at RT. Then primary antibody (1 % BSA) was incubated at 4 °C overnight. The primary is detected by a Goat anti-rabbit IgG labeled by HRP and visualized using 0.05 % DAB.



### Western Blotting

**Image 2.** Western Blot Positive WB detected in: HeLa whole cell lysate, MCF-7 whole cell lysate, A549 whole cell lysate. All lanes: SAMHD1 antibody at 1:2000. Secondary Goat polyclonal to rabbit IgG at 1/50000 dilution. Predicted band size: 73, 64, 69 kDa. Observed band size: 73 kDa.



### Immunohistochemistry

**Image 3.** IHC image of ABIN7149714 diluted at 1:100 and staining in paraffin-embedded human lung cancer performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10 % normal goat serum 30 min at RT. Then primary antibody (1 % BSA) was incubated at 4 °C overnight. The primary is detected by a Goat anti-rabbit IgG labeled by HRP and visualized using 0.05 % DAB.