

## ARG58970 anti-SAMHD1 antibody

Package: 50 µl  
Store at: -20°C

### Summary

Product Description	Rabbit Polyclonal antibody recognizes SAMHD1
Tested Reactivity	Hu, Ms, Rat
Tested Application	IHC-P, IP, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	SAMHD1
Species	Human
Immunogen	Recombinant fusion protein corresponding to aa. 387-626 of Human SAMHD1 (NP_056289.2).
Conjugation	Un-conjugated
Alternate Names	Deoxynucleoside triphosphate triphosphohydrolase SAMHD1; EC 3.1.5.-; SBBI88; SAM domain and HD domain-containing protein 1; HDDC1; MOP-5; DCIP; CHBL2; dNTPase; Dendritic cell-derived IFNG-induced protein; Monocyte protein 5

### Application Instructions

Application table	Application	Dilution
	IHC-P	1:50 - 1:200
	IP	Assay-dependent
	WB	1:500 - 1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	HepG2	
Observed Size	72 kDa	

### Properties

Form	Liquid
Purification	Affinity purified.
Buffer	PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

**Note**

For laboratory research only, not for drug, diagnostic or other use.

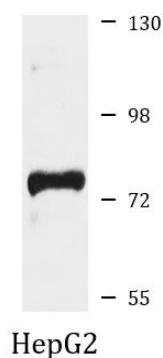
## Bioinformation

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Gene Symbol	SAMHD1
Gene Full Name	SAM domain and HD domain 1
Background	This gene may play a role in regulation of the innate immune response. The encoded protein is upregulated in response to viral infection and may be involved in mediation of tumor necrosis factor- $\alpha$ proinflammatory responses. Mutations in this gene have been associated with Aicardi-Goutieres syndrome. [provided by RefSeq, Mar 2010]
Function	Host restriction nuclease that blocks early-stage virus replication in dendritic and other myeloid cells. Likewise, suppresses LINE-1 retrotransposon activity. May function by reducing the cellular dNTP levels to levels too low for retroviral reverse transcription to occur. May play a role in mediating proinflammatory responses to TNF- $\alpha$ signaling. [UniProt]
Calculated Mw	72 kDa
PTM	Ubiquitinated and targeted for proteasomal degradation by a DCX (DDB1-CUL4-X-box) E3 ubiquitin ligase with the help of the viral accessory protein Vpx. [UniProt]
Cellular Localization	Nucleus. [UniProt]

## Images

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ARG58970 anti-SAMHD1 antibody WB image

Western blot: 25  $\mu$ g of HepG2 cell lysate stained with ARG58970 anti-SAMHD1 antibody at 1:1000 dilution.