

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.

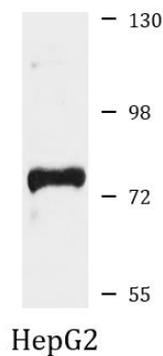
Note

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

Bioinformation

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- α 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- α 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



ARG58970 anti-SAMHD1 antibody WB image

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