

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.-; SBB188; 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

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|---------------------|---|
| 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. |

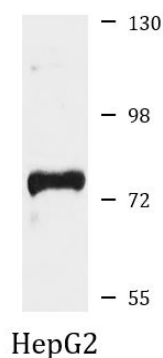
Note

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.