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Product datasheet for CF502024

SAMHD1 Mouse Monoclonal Antibody [Clone ID: OTI3F5]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI3F5
Applications:	FC, IF, IHC, WB
Recommended Dilution:	WB 1:200~500, IHC 1:150, IF 1:100, FLOW 1:100
Reactivity:	Human, Monkey, Mouse, Rat, Dog
Host:	Mouse
Isotype:	IgG2b
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human SAMHD1(NP_056289) produced in HEK293T cell.
Formulation:	Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose)
Reconstitution Method:	For reconstitution, we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific)
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	72 kDa
Gene Name:	Homo sapiens SAM and HD domain containing deoxynucleoside triphosphate triphosphohydrolase 1 (SAMHD1), transcript variant 1, mRNA.
Database Link:	NP_056289 Entrez Gene 56045 MouseEntrez Gene 311580 RatEntrez Gene 485862 DogEntrez Gene 709060 MonkeyEntrez Gene 25939 Human
Synonyms:	CHBL2; DCIP; HDDC1; MOP-5; SBBI88

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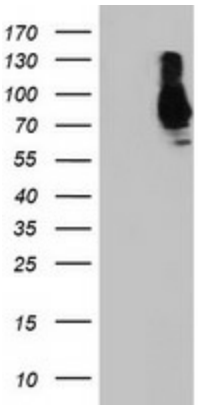
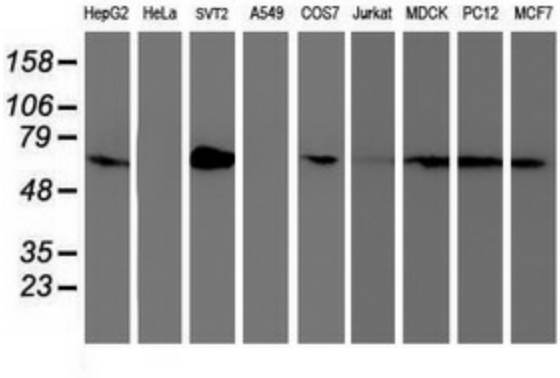
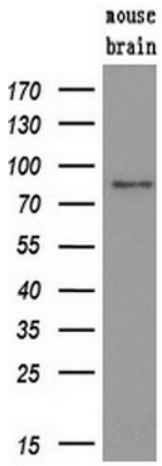
Product images:



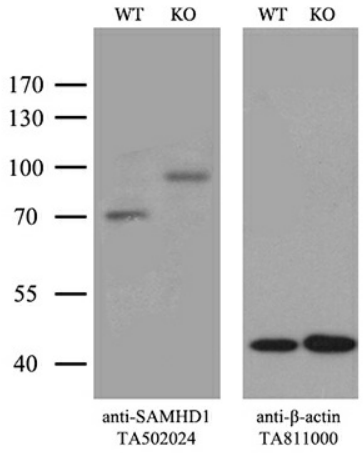
HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY SAMHD1 (Cat# [RC206013], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-SAMHD1(Cat# [TA502024]). Positive lysates [LY414526] (100ug) and [LC414526] (20ug) can be purchased separately from OriGene.



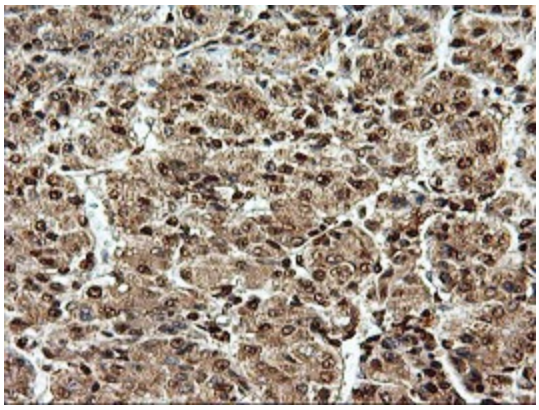
Western blot analysis of extracts (35ug) from 9 different cell lines by using anti-SAMHD1 monoclonal antibody.



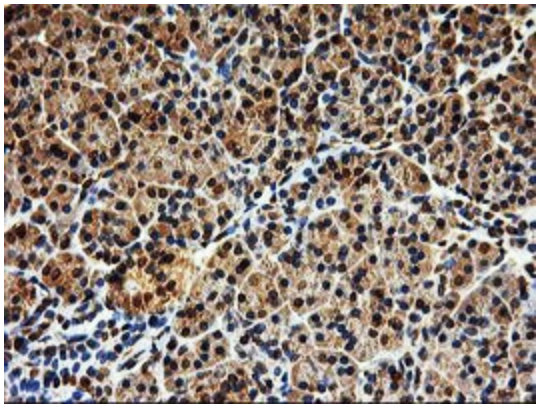
Western blot analysis of extracts (10ug) from a mouse tissue by using anti-SAMHD1 monoclonal antibody (1:200).



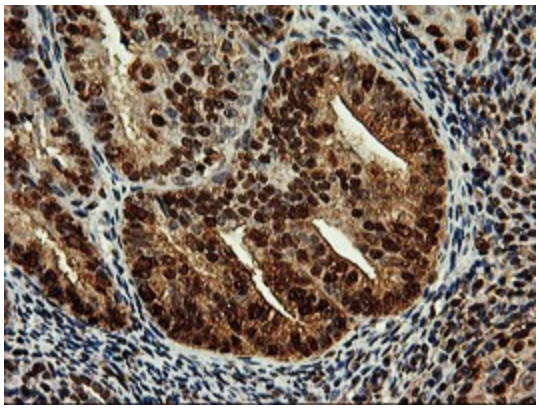
Equivalent amounts of cell lysates (10 ug per lane) of wild-type Hela cells (WT, Cat# LC810HELA) and SAMHD1-Knockout Hela cells (KO, Cat# [LC810344]) were separated by SDS-PAGE and immunoblotted with anti-SAMHD1 monoclonal antibody [TA502024]. Then the blotted membrane was stripped and reprobed with anti-b-actin antibody ([TA811000]) as a loading control (1:500).



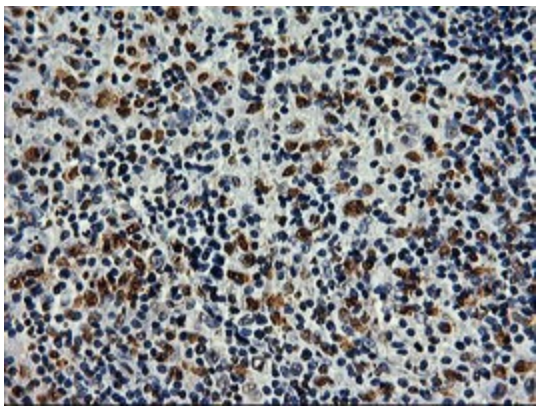
Immunohistochemical staining of paraffin-embedded Carcinoma of Human liver tissue using anti-SAMHD1 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA502024])



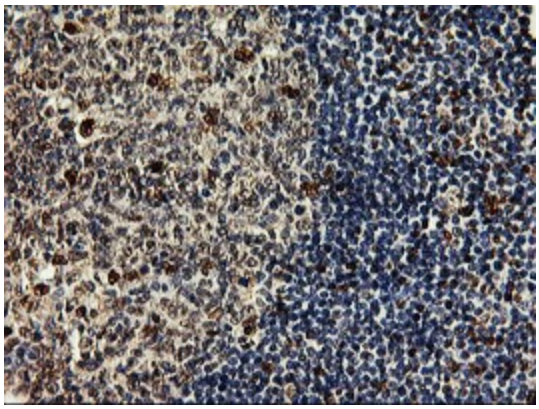
Immunohistochemical staining of paraffin-embedded Human pancreas tissue within the normal limits using anti-SAMHD1 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA502024])



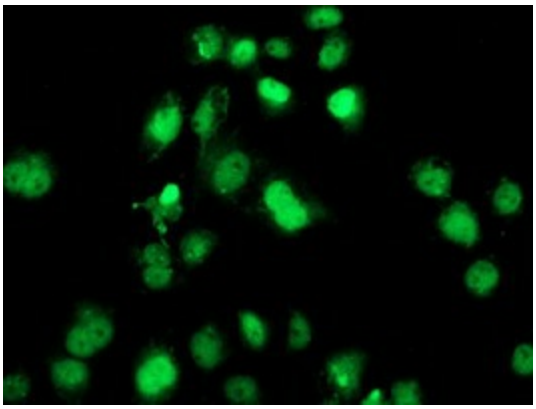
Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human endometrium tissue using anti-SAMHD1 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA502024])



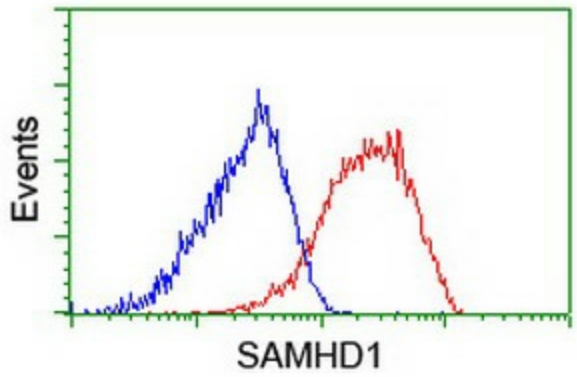
Immunohistochemical staining of paraffin-embedded Human lymphoma tissue using anti-SAMHD1 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA502024])



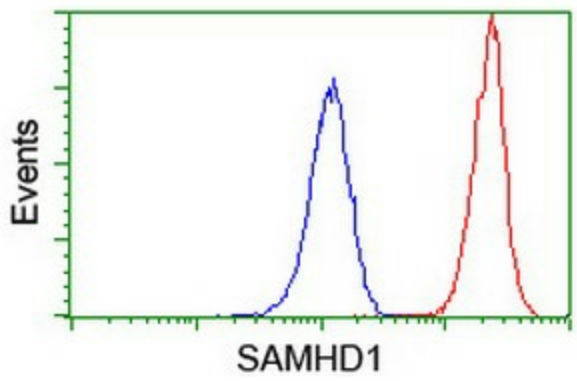
Immunohistochemical staining of paraffin-embedded Human tonsil within the normal limits using anti-SAMHD1 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA502024])



Anti-SAMHD1 mouse monoclonal antibody ([TA502024]) immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY SAMHD1 ([RC206013]).



Flow cytometric Analysis of Hela cells, using anti-SAMHD1 antibody ([TA502024]), (Red), compared to a nonspecific negative control antibody, (Blue).



Flow cytometric Analysis of Jurkat cells, using anti-SAMHD1 antibody ([TA502024]), (Red), compared to a nonspecific negative control antibody, (Blue).