

Product datasheet for **TA502024**

SAMHD1 Mouse Monoclonal Antibody [Clone ID: OTI3F5]

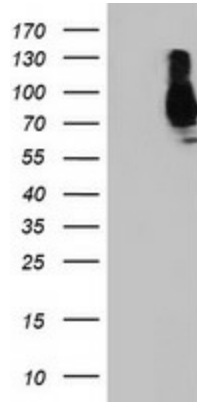
Product data:

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, Rat, Monkey, Mouse
Host:	Mouse
Isotype:	IgG2b
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human SAMHD1(NP_056289) produced in HEK293T cell.
Formulation:	PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration:	1 mg/ml
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:	SAM and HD domain containing deoxynucleoside triphosphate triphosphohydrolase 1
Database Link:	NP_056289 Entrez Gene 56045 Mouse Entrez Gene 311580 Rat Entrez Gene 709060 Monkey Entrez Gene 25939 Human Q9Y3Z3
Synonyms:	CHBL2; DCIP; HDDC1; MOP-5; SBBI88

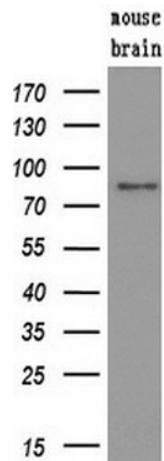


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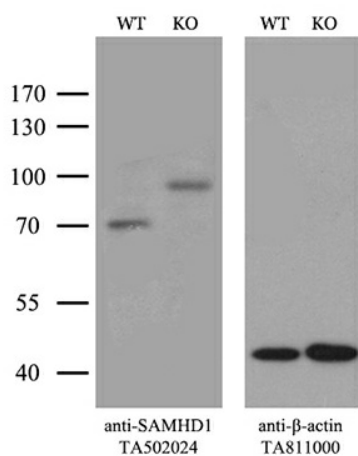
Product images:



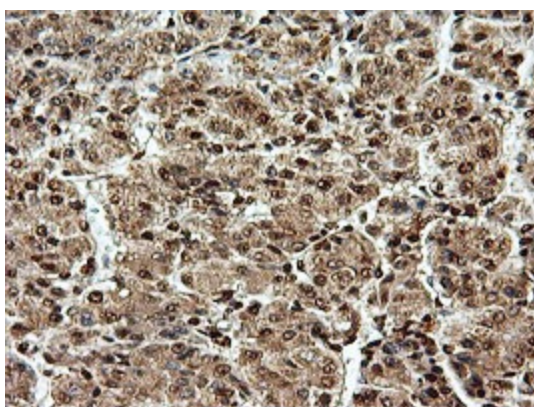
HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY SAMHD1 (Cat# [RC206013], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-SAMHD1 (Cat# TA502024). Positive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



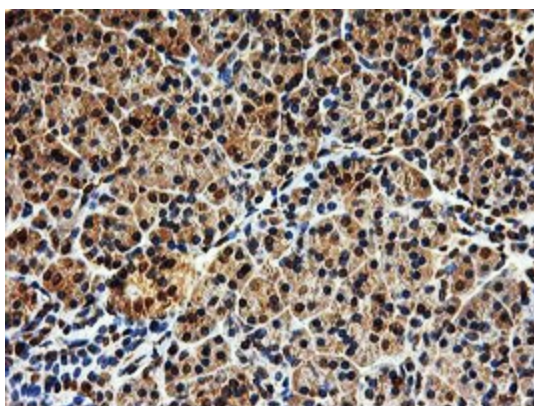
Western blot analysis of extracts (10ug) from a mouse tissue by using anti-SAMHD1 monoclonal antibody (1:200).



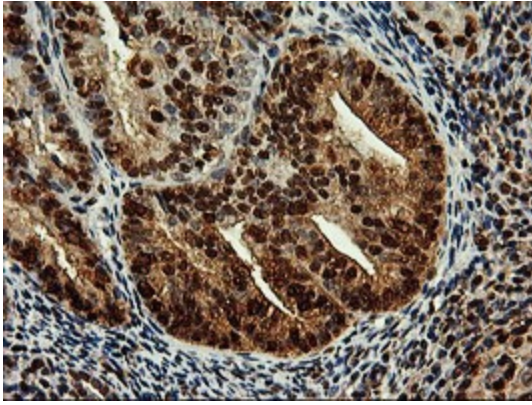
Equivalent amounts of cell lysates (10 ug per lane) of wild-type HeLa cells (WT, Cat# LC810HELA) and SAMHD1-Knockout HeLa cells (KO, Cat# [LC810344]) were separated by SDS-PAGE and immunoblotted with anti-SAMHD1 monoclonal antibody TA502024. Then the blotted membrane was stripped and reprobed with anti-β-actin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



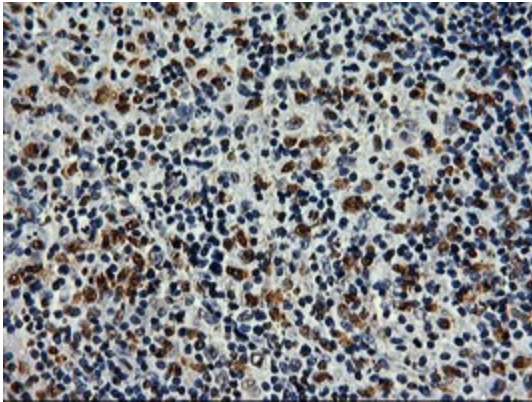
Immunohistochemical staining of paraffin-embedded Carcinoma of Human liver tissue using anti-SAMHD1 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, TA502024)



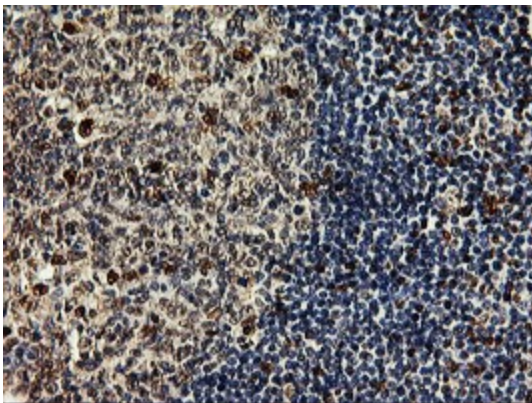
Immunohistochemical staining of paraffin-embedded Human pancreas tissue within the normal limits using anti-SAMHD1 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, TA502024)



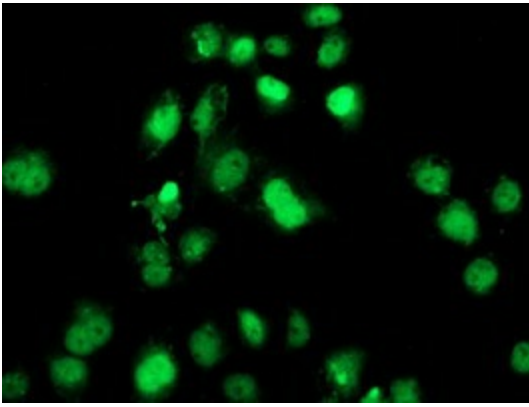
Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human endometrium tissue using anti-SAMHD1 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, TA502024)



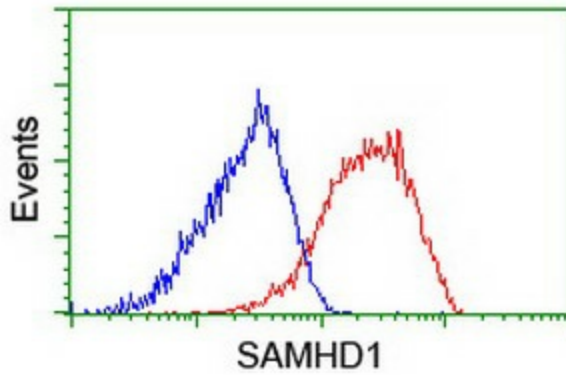
Immunohistochemical staining of paraffin-embedded Human Lymphoma tissue using anti-SAMHD1 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, TA502024)



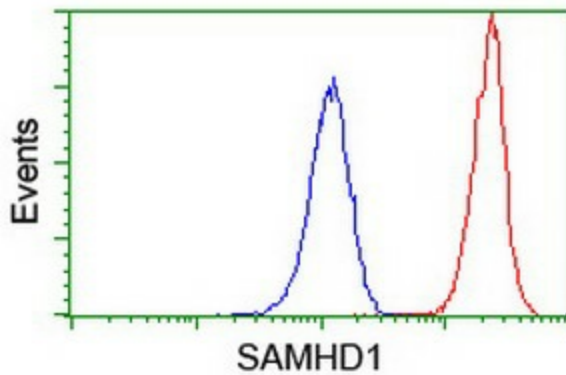
Immunohistochemical staining of paraffin-embedded Human tonsil within the normal limits using anti-SAMHD1 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, TA502024)



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).