

## Product datasheet for **TA502157M**

### **SAMHD1 Mouse Monoclonal Antibody [Clone ID: OTI1A1]**

#### **Product data:**

Product Type:	Primary Antibodies
Clone Name:	OTI1A1
Applications:	FC, IF, IHC, WB
Recommended Dilution:	WB 1:500~2000, 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:	<a href="#">NP_056289</a> <a href="#">Entrez Gene 56045 Mouse</a> <a href="#">Entrez Gene 311580 Rat</a> <a href="#">Entrez Gene 709060 Monkey</a> <a href="#">Entrez Gene 25939 Human</a> <a href="#">Q9Y3Z3</a>
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]


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**Synonyms:** CHBL2; DCIP; HDDC1; MOP-5; SBBI88

**Product images:**

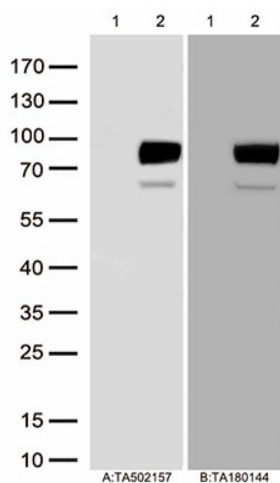
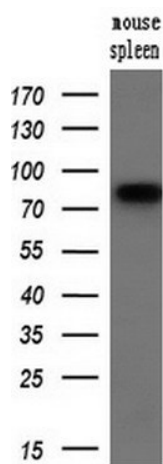
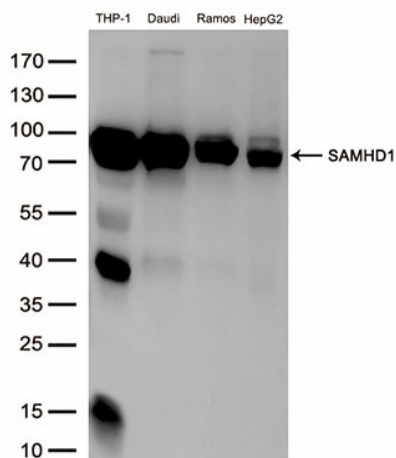


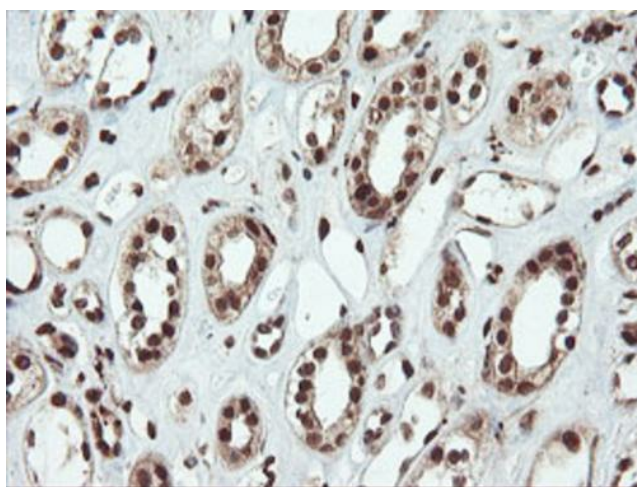
Figure A, Western blot analysis of overexpressed lysates(25ug per lane) from HEK293T cells transfected with empty plasmid ([PS100001], lane 1) , human SAMHD1 plasmid ([RC206013], lane 2) using anti-SAMHD1 antibody [TA502157] (1:500). Figure B, Western blot analysis of the same samples as figure A with anti-DDK antibody ([TA180144], 1:1000)



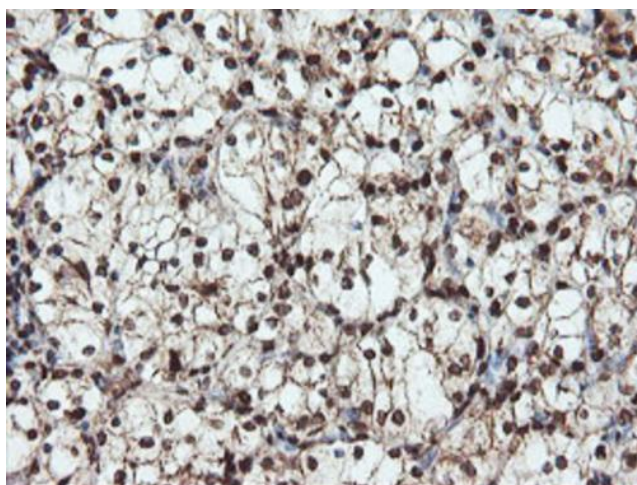
Western blot analysis of extracts (10ug) from a mouse tissue by using anti-SAMHD1 monoclonal antibody (1:200).



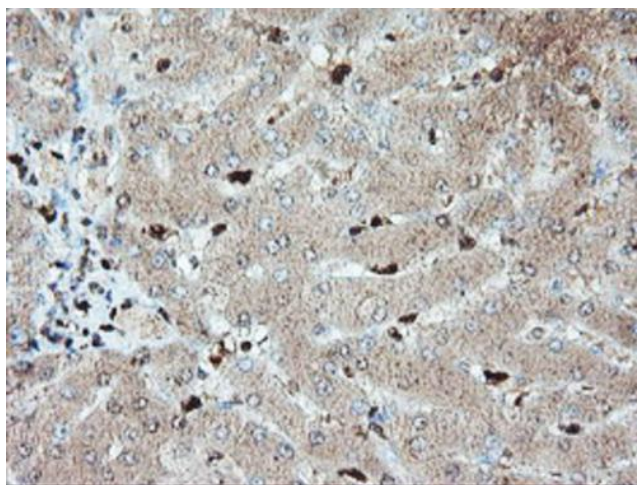
Western blot analysis of extracts (50ug per lane) from 4 cell lines lysates by using anti-VHL monoclonal antibody([TA502157], 1:500)



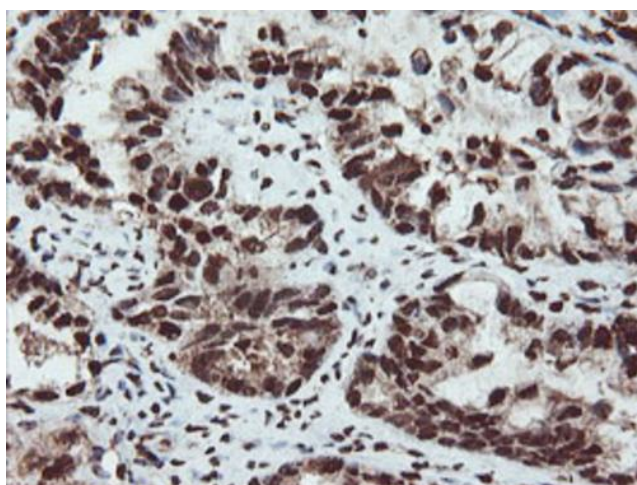
Immunohistochemical staining of paraffin-embedded Human Kidney tissue within the normal limits using anti-SAMHD1 mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



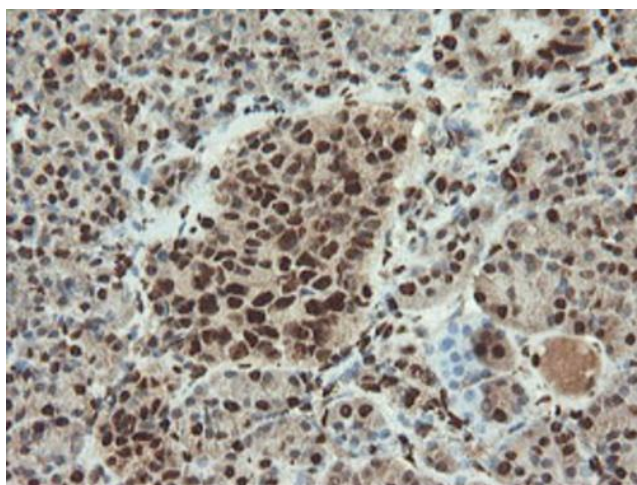
Immunohistochemical staining of paraffin-embedded Carcinoma of Human kidney tissue using anti-SAMHD1 mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



Immunohistochemical staining of paraffin-embedded Human liver tissue within the normal limits using anti-SAMHD1 mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.

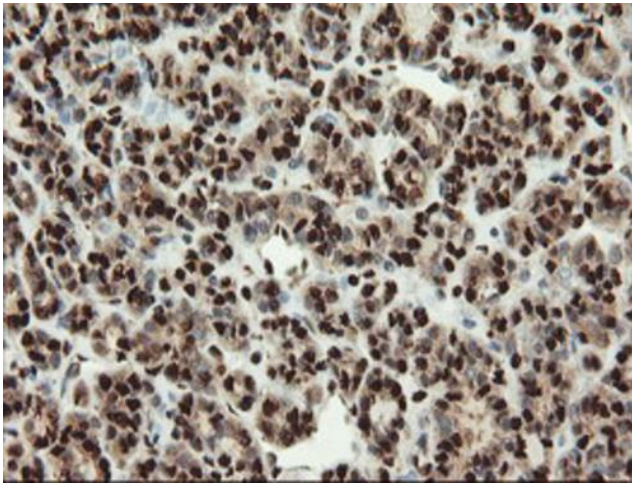


Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human ovary tissue using anti-SAMHD1 mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.

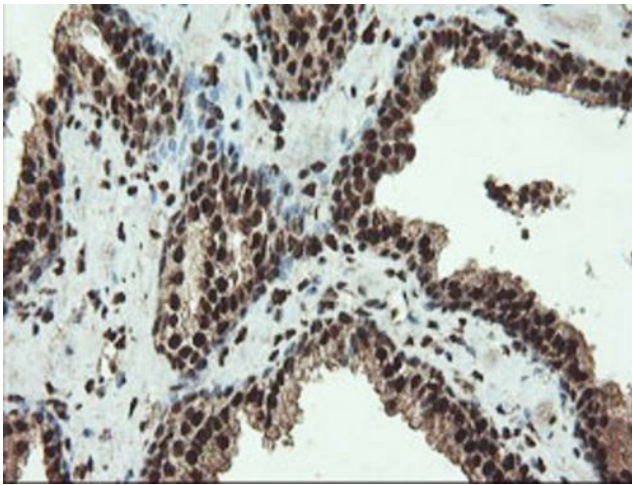


Immunohistochemical staining of paraffin-embedded Human pancreas tissue within the normal limits using anti-SAMHD1 mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.

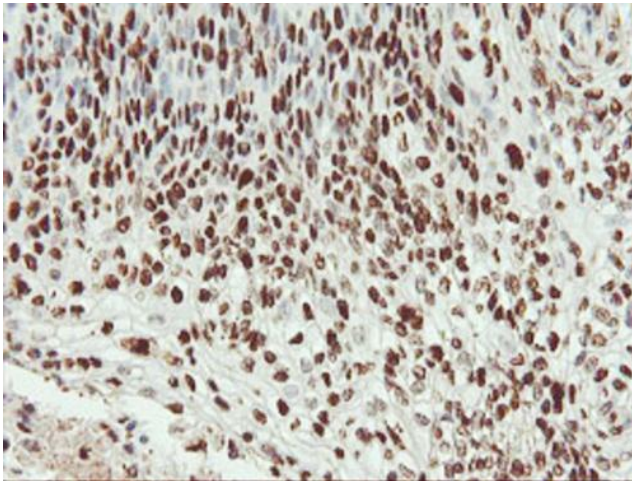




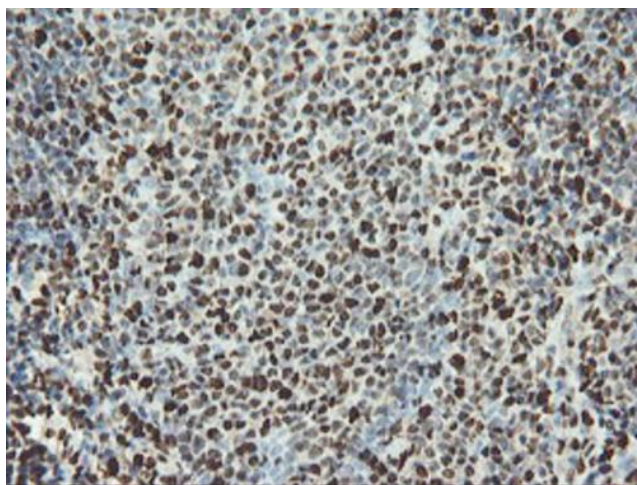
Immunohistochemical staining of paraffin-embedded Carcinoma of Human thyroid tissue using anti-SAMHD1 mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



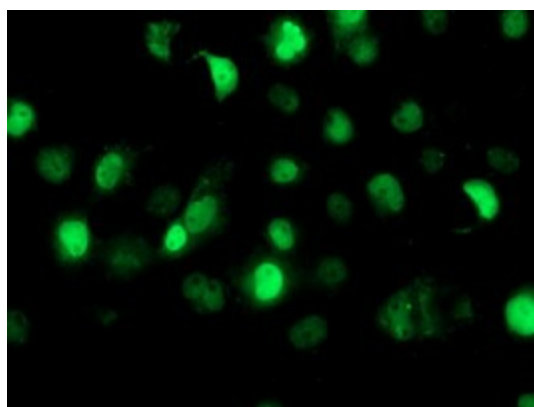
Immunohistochemical staining of paraffin-embedded Carcinoma of Human prostate tissue using anti-SAMHD1 mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



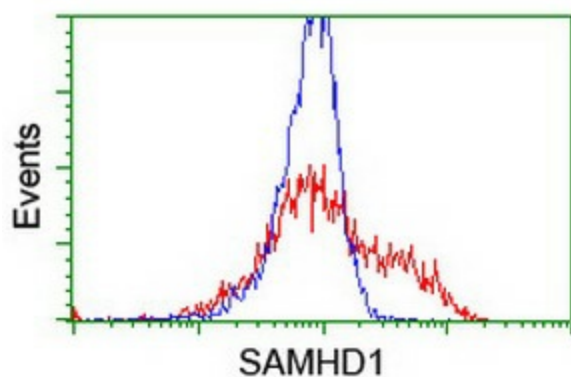
Immunohistochemical staining of paraffin-embedded Carcinoma of Human bladder tissue using anti-SAMHD1 mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



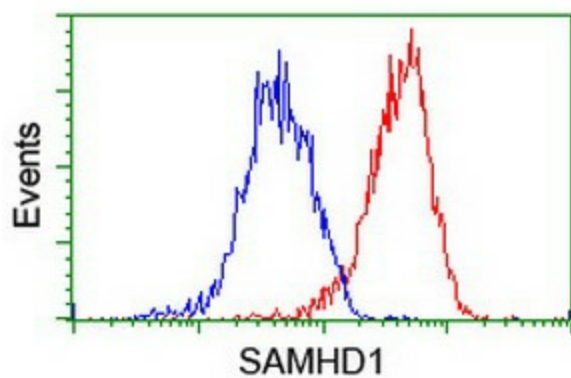
Immunohistochemical staining of paraffin-embedded Human tonsil within the normal limits using anti-SAMHD1 mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



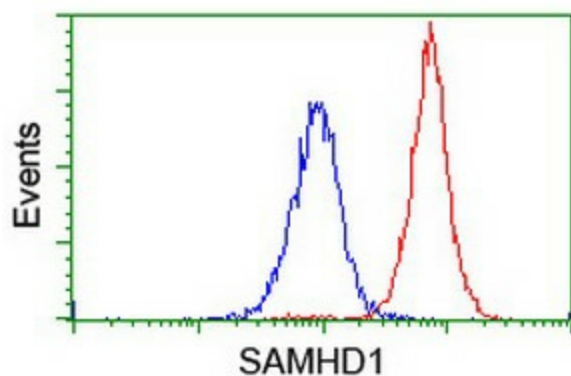
Anti-SAMHD1 mouse monoclonal antibody ([TA502157]) immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY SAMHD1 ([RC206013]).



HEK293T cells transfected with either [RC206013] overexpress plasmid (Red) or empty vector control plasmid (Blue) were immunostained by anti-SAMHD1 antibody ([TA502157]), and then analyzed by flow cytometry.



Flow cytometric Analysis of HeLa cells, using anti-SAMHD1 antibody ([TA502157]), (Red), compared to a nonspecific negative control antibody, (Blue).



Flow cytometric Analysis of Jurkat cells, using anti-SAMHD1 antibody ([TA502157]), (Red), compared to a nonspecific negative control antibody, (Blue).