

# SAMHD1 Monoclonal Antibody (OTI3F5)

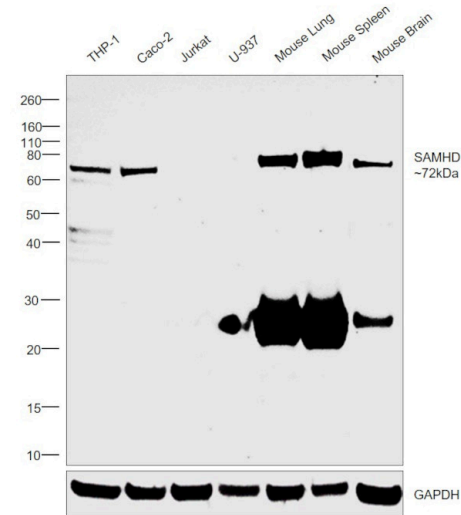
Product Details	
Size	100 µL
Species Reactivity	Dog, Human, Mouse, Non-human primate, Rat
Host/Isotype	Mouse / IgG2b
Class	Monoclonal
Type	Antibody
Clone	OTI3F5
Conjugate	Unconjugated
Immunogen	Full length human recombinant protein of SAMHD1 produced in HEK293T cell
Form	Liquid
Concentration	1 mg/mL
Purification	Affinity Chromatography
Storage buffer	PBS, pH 7.3, with 1% BSA, 50% glycerol
Contains	0.02% sodium azide
Storage conditions	-20° C, Avoid Freeze/Thaw Cycles
RRID	AB_2725291

Applications	Tested Dilution	Publications
Western Blot (WB)	1:200-1:500	-
Immunohistochemistry (Paraffin) (IHC (P))	1:150	-
Immunocytochemistry (ICC/IF)	1:100	-
Flow Cytometry (Flow)	1:100	-

Product Images For SAMHD1 Monoclonal Antibody (OTI3F5)

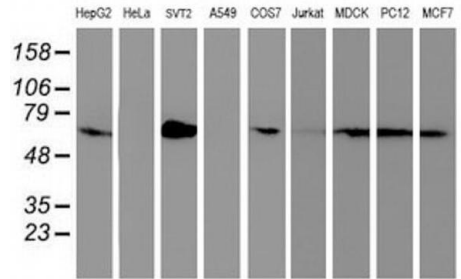
SAMHD1 Antibody (MA5-25316)

Antibody specificity was demonstrated by detection of differential basal expression of the target across cell and tissue lysates tested owing to their inherent genetic constitution. Relatively higher expression of SAMHD1 was observed in THP-1, Caco-2, Mouse Lung and Mouse Spleen as compared to Jurkat, U-937 and Mouse Brain using Anti-SAMHD1 Monoclonal Antibody (OTI3F5) (Product # MA5-25316) in Western Blot [10.1016/s0165-2478(00)00276-5]. {RE}



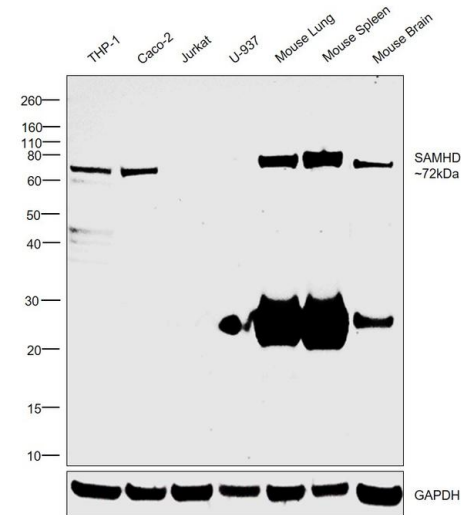
SAMHD1 Antibody (MA5-25316) in WB

Western blot analysis of SAMHD1 in HepG2, HeLa, SVT2, A549, COS7, Jurkat, MDCK, PC12, MCF7 cells using 35 µg per lane. Samples were probed with SAMHD1 (Product # MA5-25316) monoclonal antibody.



SAMHD1 Antibody (MA5-25316) in WB

Western blot was performed using Anti-SAMHD1 Monoclonal Antibody (OTI3F5) (Product # MA5-25316) and a 72kDa band corresponding to SAMHD1 was observed in all cell and tissue lysates tested except Jurkat and U-937 [10.1016/s0165-2478(00)00276-5]. Higher expression was also observed in Mouse Lung and Mouse Spleen as compared to Mouse Brain. Modified whole cell lysates (1% SDS) (30 µg lysate) of THP-1 (Lane 1), Caco-2 (Lane 2), Jurkat (Lane 3), U-937 (Lane 4), Mouse Lung (Lane 5), Mouse Spleen (Lane 6) and Mouse Brain (Lane 7) were electrophoresed using Novex® NuPAGE® 4-12 % Bis-Tris gel (Product # NP0322BOX). Resolved proteins were then transferred onto a nitrocellulose membrane (Product # IB23001) by iBlot® 2 Dry Blotting System (Product # IB21001). The blot was probed with the primary antibody (1:200 dilution) and detected by chemiluminescence with Goat anti-Mouse IgG (H+L), Superclonal™ Recombinant Secondary Antibody, HRP (Product # A28177, 1:4000 dilution) using the iBright FL 1000 (Product # A32752). Chemiluminescent detection was performed using Novex® ECL Chemiluminescent Substrate Reagent Kit (Product # WP20005). A ~25kDa band corresponding to tissue IgG was observed in mouse tissue models.



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