

KD-Validated Anti-SAMHD1 Rabbit Monoclonal Antibody

Rabbit monoclonal antibody

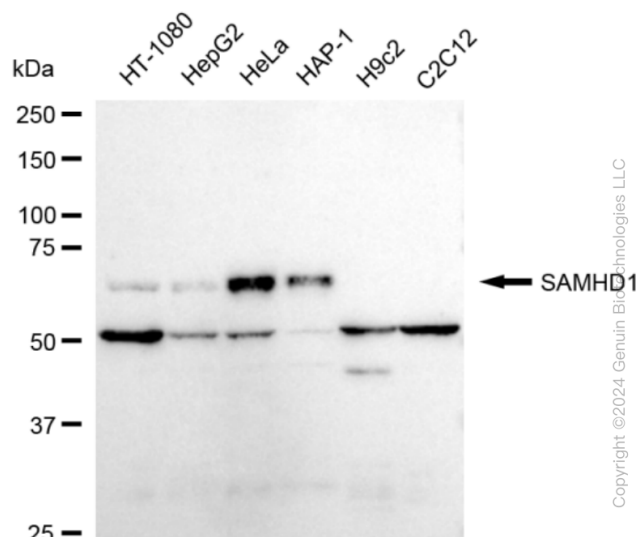
ABG1644

Product Overview

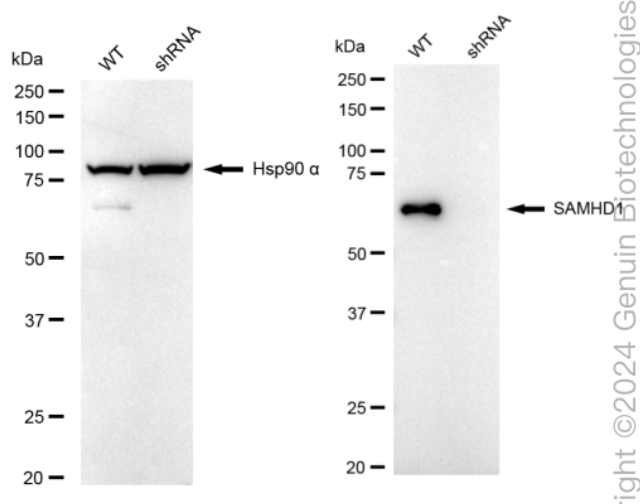
Name	KD-Validated Anti-SAMHD1 Rabbit Monoclonal Antibody
Accession(Primary)	Q9Y3Z3
Host Species	Rabbit
Clonality	Monoclonal
Isotype	Rabbit IgG
Immunogen	A synthesized peptide derived from human SAMHD1
Species Reactivity	Human
Calculated MW	Predicted, 72 kDa , observed , 72 kDa
Storage Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Recommended Dilution	Western Blotting (WB):1:1,000-1:5,000 Immunocytochemistry (IC): 1:100-1:1,000 Flow Cytometry(FCM):1:2,000

Target information (Q9Y3Z3)

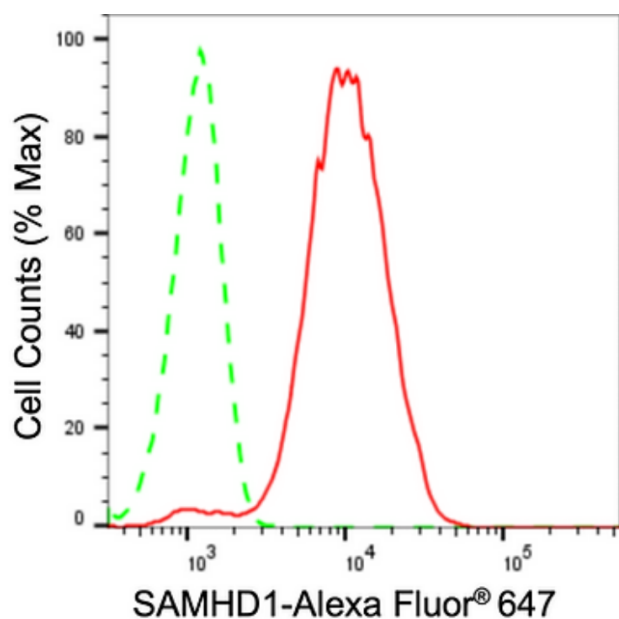
Gene Name	SAMHD1
About Gene Symbol	SAMHD1 is a metabolic enzyme involved in cellular metabolism. It is an important research target in metabolic disease, cancer metabolism, and drug discovery and is widely studied to elucidate cellular mechanisms and identify therapeutic targets.



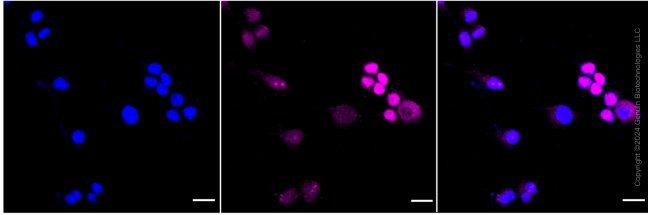
Western blotting analysis using anti-SAMHD1 antibody (Cat#ABG1644). Total cell lysates (30 μ g) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-SAMHD1 antibody (Cat#ABG1644, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



Western blotting analysis using anti-SAMHD1 antibody (Cat#ABG1644). SAMHD1 expression in wild-type (WT) and SAMHD1 shRNA knockdown (KD) HeLa cells with 30 μ g of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with anti-SAMHD1 antibody (Cat#ABG1644, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



Flow cytometric analysis of SAMHD1 expression in HeLa cells using SAMHD1 antibody (Cat#ABG1644, 1:2,000). Green, isotype control; red, SAMHD1.



Immunocytochemical staining of HeLa cells with anti-SAMHD1 antibody (Cat#ABG1644, 1:1,000). Nuclei were stained blue with DAPI; SAMHD1 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: High. Scale bar: 20 μ m.