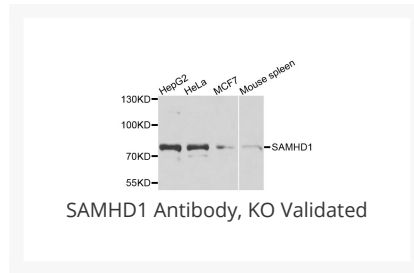
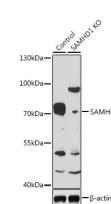




SAMHD1 Antibody, KO Validated

Cat. No.: 23-189

Western blot analysis of extracts from normal (control) and SAMHD1 knockout (KO) HeLa cells, using SAMHD1 antibody (23-189) at 1:1000 dilution.

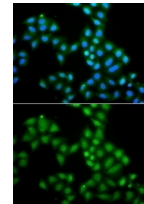
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution.

Lysates/proteins: 25ug per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit.

Exposure time: 3min.



Immunofluorescence analysis of A549 cells using SAMHD1 antibody (23-189). Blue: DAPI for nuclear staining.

Ψ Specifications

HOST SPECIES:	Rabbit
SPECIES REACTIVITY:	Human, Mouse, Rat
IMMUNOGEN:	Recombinant fusion protein containing a sequence corresponding to amino acids 387-626 of human SAMHD1 (NP_056289.2).
TESTED APPLICATIONS:	IF, WB

APPLICATIONS:	WB: ,1:500 - 1:2000 IF: ,1:50 - 1:100
POSITIVE CONTROL:	1) HepG2
	2) HeLa
	3) MCF-7
	4) Mouse spleen
PREDICTED MOLECULAR WEIGHT:	Observed: 72kDa

Ψ Advanced Validation

VALIDATION:	Antibody is Knockout validated.
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Ψ Properties

PURIFICATION:	Affinity purification
CLONALITY:	Polyclonal
ISOTYPE:	IgG
CONJUGATE:	Unconjugated
PHYSICAL STATE:	Liquid
BUFFER:	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
STORAGE CONDITIONS:	Store at -20°C. Avoid freeze / thaw cycles.

Ψ Additional Info

OFFICIAL SYMBOL:	SAMHD1
ALTERNATE NAMES:	SAM domain and HD domain 1, DCIP, CHBL2, HDDC1, MOP-5, SBBI88
GENE ID:	25939
USER NOTE:	Optimal dilutions for each application to be determined by the researcher.

Ψ Background and References

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.
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