

For Research Use Only

SAMHD1 Recombinant monoclonal antibody

Catalog Number: 86798-1-RR



Basic Information

Catalog Number: 86798-1-RR	GenBank Accession Number: BC036450	Purification Method: Protein A purification
Source: Rabbit	GeneID (NCBI): 25939	CloneNo.: 251815H5
Isotype: IgG	UNIPROT ID: Q9Y3Z3	Recommended Dilutions: WB: 1:5000-1:50000 IF/ICC: 1:500-1:2000
Immunogen Catalog Number: AG3287	Full Name: SAM domain and HD domain 1	
	Calculated MW: 626 aa, 72 kDa	
	Observed MW: 64-72 kDa	

Applications

Tested Applications: WB, IF/ICC, ELISA	Positive Controls:
Species Specificity: human	WB : HepG2 cells, HEK-293 cells, K-562 cells, HeLa cells IF/ICC : HepG2 cells,

Background Information

SAMHD1, highly expressed by monocytes and monocyte-derived dendritic cells and by monocyte-derived macrophages at a lower extent, is reported as an HIV-1 restriction factor that inhibits the early step of the HIV-1 life cycle. Vpx (virus-like particles containing viral protein X) could overcome this block by interacting with SAMHD1, inducing proteasome-dependent degradation of SAMHD1. Mutations in SAMHD1 cause Aicardi-Goutières syndrome, a genetic encephalopathy with presumed immune pathogenesis. Three alternatively spliced transcripts encoding different isoforms have been described.

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

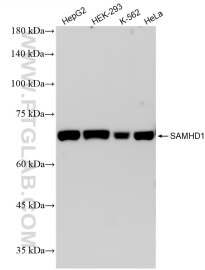
T: 4006900926

E: Proteintech-CN@ptglab.com

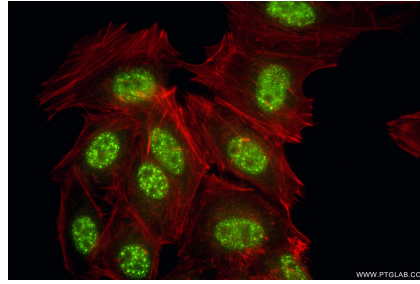
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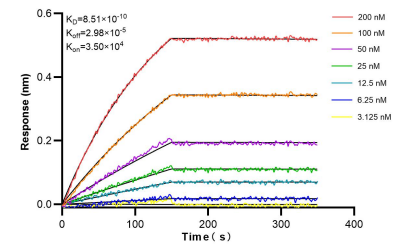
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 86798-1-RR (SAMHD1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using SAMHD1 antibody (86798-1-RR, Clone: 251815H5) at dilution of 1:1000 and CoraLite® 488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red).



Bi-layer interferometry (BLI) kinetic assays of 86798-1-RR against Human SAMHD1 were performed. The affinity constant is 0.851 nM.