

For Research Use Only

CoraLite®594-conjugated SAMHD1 Polyclonal antibody



Catalog Number:CL594-12586

Featured Product

Basic Information

Catalog Number: CL594-12586	GenBank Accession Number: BC036450	Purification Method: Antigen affinity purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 25939	Recommended Dilutions: IF 1:200-1:800
Source: Rabbit	Full Name: SAM domain and HD domain 1	Excitation/Emission maxima wavelengths: 588 nm / 604 nm
Isotype: IgG	Calculated MW: 626 aa, 72 kDa	
Immunogen Catalog Number: AG3287	Observed MW: 64-72 kDa	

Applications

Tested Applications: FC (Intra), IF	Positive Controls: IF : HepG2 cells, A549 cells
Species Specificity: human, mouse, rat	

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 a presumed immune pathogenesis. Three alternatively spliced transcripts encoding different isoforms have been described.

Storage

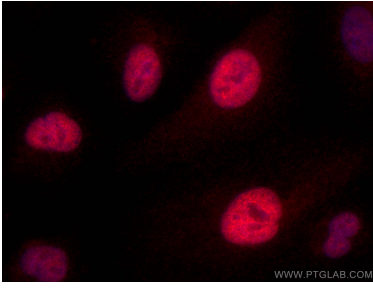
Storage:
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

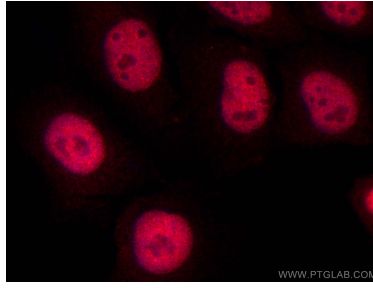
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

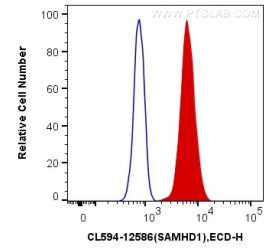
Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed A549 cells using CoraLite®594 SAMHD1 antibody (CL594-12586) at dilution of 1:400.



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using CoraLite®594 SAMHD1 antibody (CL594-12586) at dilution of 1:400.



1X10⁶ HepG2 cells were intracellularly stained with 0.4 ug CoraLite®594 Anti-Human SAMHD1 (CL594-12586) (red), or 0.4 ug Control Antibody. Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).