

For Research Use Only

SAT1 Recombinant antibody

Catalog Number: 83319-1-RR



Basic Information

Catalog Number: 83319-1-RR	GenBank Accession Number: BC008424	Purification Method: Protein A purification
Size: 1000 µg/ml	GeneID (NCBI): 6303	CloneNo.: 240157G2
Source: Rabbit	UNIPROT ID: P21673	Recommended Dilutions: WB 1:1000-1:6000 IF 1:50-1:500
Isotype: IgG	Full Name: spermidine/spermine N1-acetyltransferase 1	
Immunogen Catalog Number: AG1154	Calculated MW: 20 kDa	
	Observed MW: 15-25 kDa	

Applications

Tested Applications: WB, IF/ICC, ELISA	Positive Controls: WB : HEK-293 cells, K-562 cells, HeLa cells
Species Specificity: Human	IF : RAW 264.7 cells,

Background Information

Spermidine/spermine N1-acetyltransferase 1 (SAT1 or SSAT1) is the key regulatory enzyme in the catabolism of polyamines, catalyzing acetylation of spermidine or spermine to generate N1-acetyl spermidine or N1-acetyl spermine, and N1, N12-diacetylspermine. The cellular level of SAT1 is normally extremely low, but it is induced rapidly by a variety of stimuli, including polyamines, polyamine analogs, toxic chemicals, certain drugs, and growth factors. Downregulation of SAT1 has been reported in Epstein-Barr virus positive Burkitt's lymphoma cells.

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

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

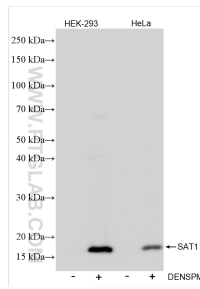
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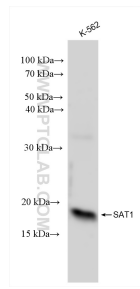
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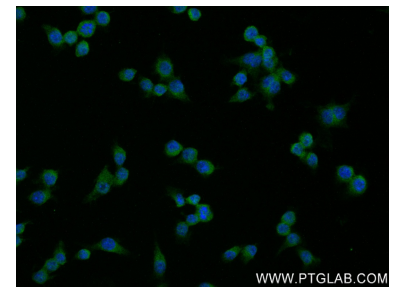
Selected Validation Data



Untreated and DENSPM treated HEK-293 and HeLa cells were subjected to SDS PAGE followed by western blot with 83319-1-RR (SAT1 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Various lysates were subjected to SDS PAGE followed by western blot with 83319-1-RR (SAT1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed RAW 264.7 cells using SAT1 antibody (83319-1-RR, Clone: 240157G2) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2).