

For Research Use Only

SAT2 Polyclonal antibody

Catalog Number: 16246-1-AP **2 Publications**



Basic Information

Catalog Number: 16246-1-AP	GenBank Accession Number: BC011751	Purification Method: Antigen affinity purification
Size: 150ul, Concentration: 700 µg/ml by Nanodrop;	GeneID (NCBI): 112483	Recommended Dilutions: WB 1:1000-1:4000 IHC 1:50-1:500
Source: Rabbit	Full Name: spermidine/spermine N1-acetyltransferase family member 2	
Isotype: IgG	Calculated MW: 170 aa, 19 kDa	
Immunogen Catalog Number: AG9179	Observed MW: 19 kDa	

Applications

Tested Applications: IHC, WB, ELISA	Positive Controls: WB : rat liver tissue, IHC : human cervical cancer tissue,
Cited Applications: WB	
Species Specificity: human, mouse, rat	
Cited Species: mouse	

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Background Information

Spermidine/spermine N1-acetyltransferase 2 (SAT2) is a short-lived polyamine catabolic enzyme inducible by polyamines and polyamine analogues. Human SAT2 contains the highly conserved acetyl-CoA-binding domain and displays coactivator function to enhance NF-κB-dependent transcription and enhances TNFα-induced NF-κB activity (PMID: 17875644). Human SAT1 and SAT2 proteins, which share 46% amino acid sequence identity and are clearly homologous, both interact with HIF-1α and both promote the ubiquitination and degradation of HIF-1α (PMID: 17011643).

Notable Publications

Author	Pubmed ID	Journal	Application
Yi Xian	28578006	Toxicol In Vitro	WB
Xiao-Hui Tang	36565851	Neuropharmacology	WB

Storage

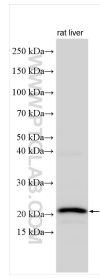
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

***** 20ul sizes contain 0.1% BSA**

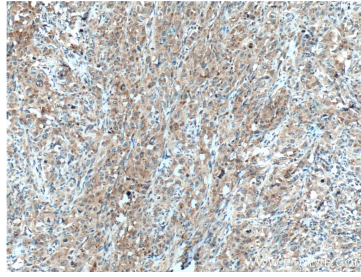
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 16246-1-AP (SAT2 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human cervical cancer tissue slide using 16246-1-AP (SAT2 antibody) at dilution of 1:100 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human cervical cancer tissue slide using 16246-1-AP (SAT2 antibody) at dilution of 1:100 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).