For Research Use Only

PSAT1 Polyclonal antibody

Catalog Number:10501-1-AP

Featured Product





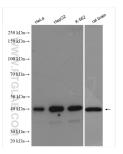
Basic Information	Catalog Number: 10501-1-AP	GenBank Accession Number: BC004863	Purification Method: Antigen affinity purification
	Concentration: 800 ug/ml	GenelD (NCBI): 29968	Recommended Dilutions: WB 1:5000-1:50000
	Source: Rabbit	UNIPROT ID: Q9Y617	IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate
	lsotype: IgG	Full Name: phosphoserine aminotransferase 1	IHC 1:200-1:800 IF/ICC 1:200-1:800
	Immunogen Catalog Number: AG0776	Calculated MW: 40 kDa	
		Observed MW: 37-40 kDa	
Applications	Tested Applications:	Positive Co	ntrols:
	WB, IHC, IF/ICC, IP, ELISA Cited Applications:		ells, Jurkat cells, HEK-293 cells, HepG2 cells, rat brain tissue
	WB, IHC, IF, CoIP	IP : HeLa ce	lls.
	Species Specificity: human, rat		n pancreas cancer tissue, human colon
	Cited Species: human, mouse, pig	IF/ICC : He	
	Note-IHC: suggested antige TE buffer pH 9.0; (*) Altern retrieval may be performed buffer pH 6.0	atively, antigen	
Background Information	and SerC subfamily. It catalyzes t hydroxy-2-oxo-4-phosphonooxyb	he reversible conversion of 3-phosphoh utanoate to phosphohydroxythreonine.	ydroxypyruvate to phosphoserine and PSAT1 represents a new interesting tar
	and SerC subfamily. It catalyzes t hydroxy-2-oxo-4-phosphonooxyb for CRC therapy. (PMID:18221502) conditions. (PMID:20955740)	he reversible conversion of 3-phosphoh utanoate to phosphohydroxythreonine.	phate-dependent aminotransferase fam ydroxypyruvate to phosphoserine and o PSAT1 represents a new interesting tan metabolism and schizophrenia spectrum Application
	and SerC subfamily. It catalyzes t hydroxy-2-oxo-4-phosphonooxyb for CRC therapy. (PMID:18221502) conditions. (PMID:20955740) Author	he reversible conversion of 3-phosphoh utanoate to phosphohydroxythreonine. It may be implicated in altered serine	ydroxypyruvate to phosphoserine and o PSAT1 represents a new interesting tan metabolism and schizophrenia spectru
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Background Information Notable Publications	and SerC subfamily. It catalyzes t hydroxy-2-oxo-4-phosphonooxyb for CRC therapy. (PMID:18221502) conditions. (PMID:20955740) Author Shengya Tian R L Yang	he reversible conversion of 3-phosphoh utanoate to phosphohydroxythreonine. It may be implicated in altered serine Pubmed ID Journal 31562192 Life Sci Alliance	ydroxypyruvate to phosphoserine and o PSAT1 represents a new interesting tan metabolism and schizophrenia spectru Application WB

For technical support and original validation data for this product please contact:T: 4006900926E: Proteintech-CN@ptglab.comW: ptgcn.com

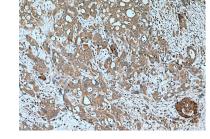
This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data

temperature for 1.5 hours.



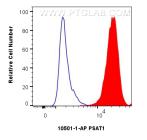
Various lysates were subjected to SDS PAGE followed by western blot with 10501-1-AP (PSAT1 antibody) at dilution of 1:10000 incubated at room

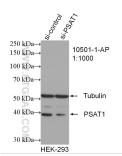


Immunohistochemical analysis of paraffinembedded human pancreas cancer tissue slide using 10501-1-AP (PSAT1 antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).

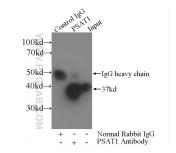


Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using PSAT1 antibody (10501-1-AP) at dilution of 1:400 and CoraLite®594-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-4).





WB result of PSAT1 antibody (10501-1-AP; 1:1000; incubated at room temperature for 1.5 hours) with sh-Control and sh-PSAT1 transfected HEK-293 cells.



IP result of anti-PSAT1 (IP:10501-1-AP, 3ug; Detection:10501-1-AP 1:300) with HeLa cells lysate 2480ug.

1x10^6 HepG2 cells were intracellularly stained with 0.25 ug PSAT1 Polyclonal antibody (10501-1-AP) and Coralite®488-Conjugated Goat Anti-Rabbit 1gG(H+L) (SA00013-2)(red), or 0.25 ug Rabbit 1gG control Rabbit PolyAb (30000-0-AP) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).