

For Research Use Only

PSAT1 Recombinant antibody

Catalog Number: 81479-1-RR



Basic Information

Catalog Number: 81479-1-RR	GenBank Accession Number: BC004863	Purification Method: Protein A purification
Size: 100ul , Concentration: 400 ug/ml by Nanodrop;	GeneID (NCBI): 29968	CloneNo.: 1022
Source: Rabbit	UNIPROT ID: Q9Y617	Recommended Dilutions: WB 1:5000-1:50000 IF/ICC 1:200-1:800
Isotype: IgG	Full Name: phosphoserine aminotransferase 1	
Immunogen Catalog Number: AG0776	Calculated MW: 40 kDa	
	Observed MW: 37-40 kDa	

Applications

Tested Applications: WB, IF/ICC, ELISA	Positive Controls:
Species Specificity: Human, Mouse, Pig	WB : HepG2 cells, K-562 cells, NIH/3T3 cells, pig brain tissue IF/ICC : HepG2 cells,

Background Information

PSAT1, also named as PSA and PSAT, belongs to the class-V pyridoxal-phosphate-dependent aminotransferase family and SerC subfamily. It catalyzes the reversible conversion of 3-phosphohydroxypyruvate to phosphoserine and of 3-hydroxy-2-oxo-4-phosphonooxybutanoate to phosphohydroxythreonine. PSAT1 represents a new interesting target for CRC therapy. It may be implicated in altered serine metabolism and schizophrenia spectrum conditions. (PMID: 18221502, 20955740)

Storage

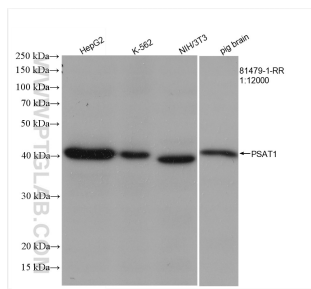
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

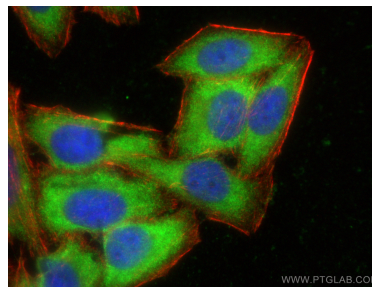
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 81479-1-RR (PSAT1 antibody) at dilution of 1:12000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using PSAT1 antibody (81479-1-RR, Clone: 1O22) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L), CL594-phalloidin (red).