

For Research Use Only

PSAT1 Recombinant antibody, PBS Only



Catalog Number: 81479-1-PBS

Basic Information

Catalog Number: 81479-1-PBS	GenBank Accession Number: BC004863	Purification Method: Protein A purification
Size: 100ug , Concentration: 1mg/ml by Nanodrop;	GeneID (NCBI): 29968	CloneNo.: 1022
Source: Rabbit	UNIPROT ID: Q9Y617	
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, Indirect ELISA

Species Specificity:
Human, Mouse, Pig

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

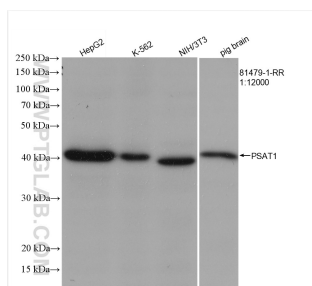
Storage:
Store at -80°C.

Storage Buffer:
PBS Only

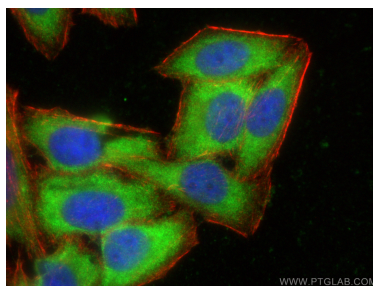
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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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. This data was developed using the same antibody clone with 81479-1-PBS in a different storage buffer formulation.



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 AffiniPure Goat Anti-Rabbit IgG(H+L), CL594-phalloidin (red). This data was developed using the same antibody clone with 81479-1-PBS in a different storage buffer formulation.