

For Research Use Only

PSAT1 Monoclonal antibody, PBS Only



Catalog Number: 67619-1-PBS

Basic Information

Catalog Number: 67619-1-PBS	GenBank Accession Number: BC001618	Purification Method: Protein G purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 29968	CloneNo.: 1B2C9
Source: Mouse	UNIPROT ID: Q9Y617	
Isotype: IgG1	Full Name: phosphoserine aminotransferase 1	
Immunogen Catalog Number: AG14076	Calculated MW: 370 aa, 40 kDa	
	Observed MW: 37-40 kDa	

Applications

Tested Applications:
WB, IF, IHC, Indirect ELISA

Species Specificity:
Human, mouse, rat, 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. (PMID:18221502) It may be implicated in altered serine metabolism and schizophrenia spectrum conditions. (PMID:2095740)

Storage

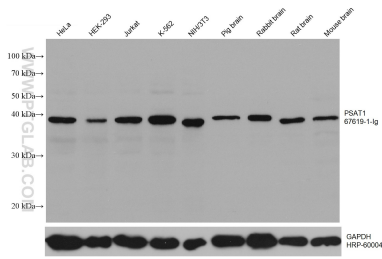
Storage:
Store at -80°C.

Storage Buffer:
PBS Only

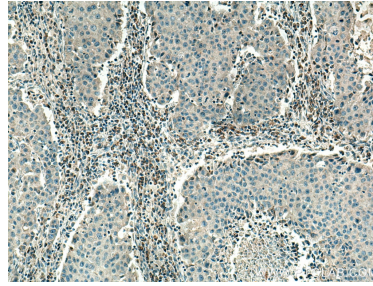
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com
W: ptglab.com

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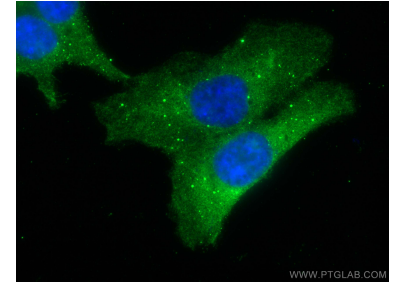
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 67619-1-Ig (PSAT1 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated GAPDH Monoclonal antibody (HRP-60004) as loading control. This data was developed using the same antibody clone with 67619-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 67619-1-Ig (PSAT1 antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 67619-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed HCT 116 cells using PSAT1 antibody (67619-1-Ig, Clone: 1B2C9) at dilution of 1:800 and CoraLite® 488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L). This data was developed using the same antibody clone with 67619-1-PBS in a different storage buffer formulation.