

For Research Use Only

# PSAT1 Recombinant antibody

Catalog Number: 81479-1-RR



## Basic Information

<b>Catalog Number:</b> 81479-1-RR	<b>GenBank Accession Number:</b> BC004863	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 400 µg/ml	<b>GeneID (NCBI):</b> 29968	<b>CloneNo.:</b> 1O22
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q9Y617	<b>Recommended Dilutions:</b> WB 1:5000-1:50000 IF 1:200-1:800
<b>Isotype:</b> IgG	<b>Full Name:</b> phosphoserine aminotransferase 1	
<b>Immunogen Catalog Number:</b> AG0776	<b>Calculated MW:</b> 40 kDa	
	<b>Observed MW:</b> 37-40 kDa	

## Applications

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

For technical support and original validation data for this product please contact:

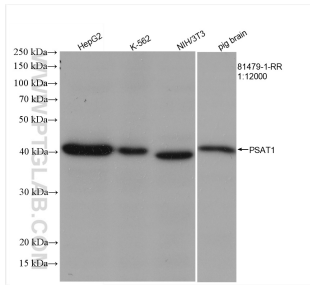
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

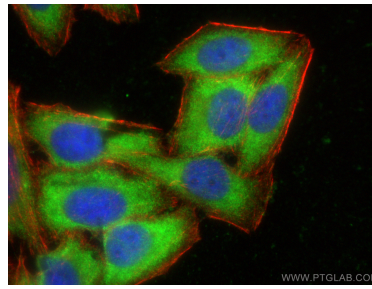
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## Selected Validation Data



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.



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).