

**ARG59327**  
anti-PSAT1 antibodyPackage: 50 µg  
Store at: -20°C

### Summary

Product Description	Rabbit Polyclonal antibody recognizes PSAT1
Tested Reactivity	Hu, Ms, Rat
Tested Application	IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	PSAT1
Species	Human
Immunogen	Recombinant protein corresponding to Q276-L370 of Human PSAT1.
Conjugation	Un-conjugated
Alternate Names	PSATD; EPIP; Phosphoserine aminotransferase; PSA; EC 2.6.1.52; PSAT; NLS2; Phosphohydroxythreonine aminotransferase

### Application Instructions

Application table	Application	Dilution
	IHC-P	0.5 - 1 µg/ml
	WB	0.1 - 0.5 µg/ml

**Application Note** IHC-P: Antigen Retrieval: By heat mediation.  
\* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

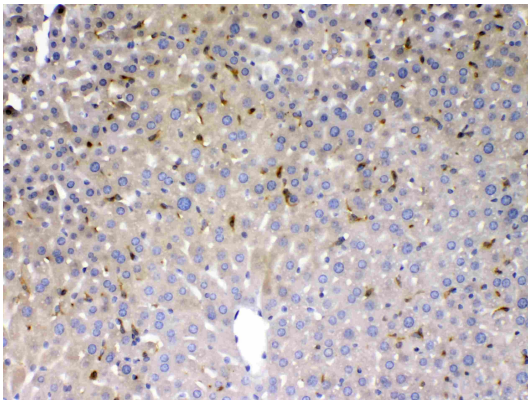
### Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	0.9% NaCl, 0.2% Na <sub>2</sub> HPO <sub>4</sub> , 0.05% Sodium azide and 5% BSA.
Preservative	0.05% Sodium azide
Stabilizer	5% BSA
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

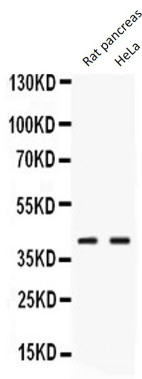
Gene Symbol	PSAT1
Gene Full Name	phosphoserine aminotransferase 1
Background	This gene encodes a member of the class-V pyridoxal-phosphate-dependent aminotransferase family. The encoded protein is a phosphoserine aminotransferase and decreased expression may be associated with schizophrenia. Mutations in this gene are also associated with phosphoserine aminotransferase deficiency. Alternative splicing results in multiple transcript variants. Pseudogenes of this gene have been defined on chromosomes 1, 3, and 8. [provided by RefSeq, Jul 2013]
Function	Catalyzes the reversible conversion of 3-phosphohydroxypyruvate to phosphoserine and of 3-hydroxy-2-oxo-4-phosphonooxybutanoate to phosphohydroxythreonine. [UniProt]
Calculated Mw	40 kDa

## Images



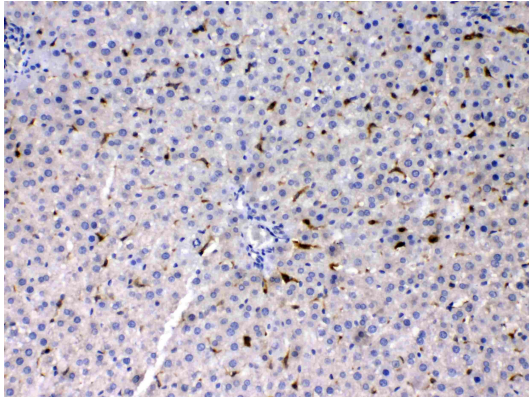
ARG59327 anti-PSAT1 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Mouse liver stained with ARG59327 anti-PSAT1 antibody at 1  $\mu\text{g/ml}$  dilution.



ARG59327 anti-PSAT1 antibody WB image

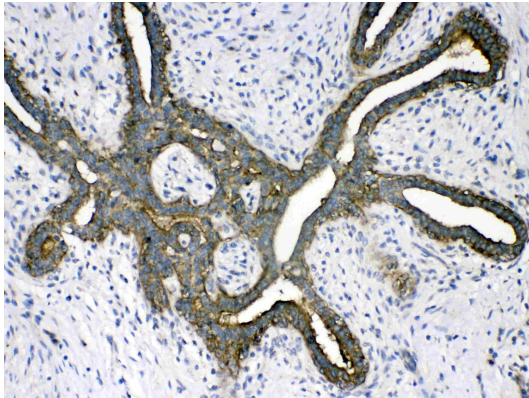
Western blot: Rat pancreas and HeLa cell lysates stained with ARG59327 anti-PSAT1 antibody at 0.5  $\mu\text{g/ml}$  dilution.



ARG59327 anti-PSAT1 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Rat liver stained with ARG59327 anti-PSAT1 antibody at 1  $\mu$ g/ml dilution.

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ARG59327 anti-PSAT1 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human mammary cancer stained with ARG59327 anti-PSAT1 antibody at 1  $\mu$ g/ml dilution.

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