

Rabbit anti-Human, Rat PSAT1 Polyclonal Antibody | anti-PSAT1 antibody

PSAT1 Antibody

CATALOG # AAA322957	HOST Rabbit	REACTIVITY Human, Rat	APPLICATIONS Immunohistochemistry, Western Blot
-------------------------------	-----------------------	---------------------------------	---

PRODUCT SYNONYMS

PSAT1; Polyclonal Antibody; PSAT1 Antibody; EC 2.6.1.52; Endometrial progesterone induced protein; EPIP; MGC1460; NLS2; Phosphohydroxythreonine aminotransferase; phosphoserine aminotransferase 1; Phosphoserine aminotransferase; PSA; PSAT; Psat1; PSATD; SERC_HUMAN; anti-PSAT1 antibody

PRODUCT SPECIFICATIONS

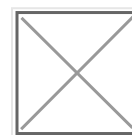
Host	Rabbit
Reactivity	Human, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	PSAT1 antibody detects endogenous levels of PSAT1.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	324
Applicable Applications for anti-PSAT1 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human PSAT1.
Tissue Specificity	Expressed at high levels in the brain, liver, kidney and pancreas, and very weakly expressed in the thymus, prostate, testis and colon.
Predicted Cross Reactivity	Pig, Zebrafish, Bovine, Horse, Sheep, Rabbit, Dog, Xenopus
Similarity	Pig (100%), Zebrafish (83%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%), Xenopus (83%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)

Western blot analysis of extracts from rat brain, using PSAT1 antibody. Lane 1 was treated with the blocking peptide.



WB (Western Blot)

Western blot analysis of extracts of HepG2 cells, using PSAT1 antibody.



IHC (Immunohistochemistry)

AAA322957 at 1/100 staining Rat brain tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

ADDITIONAL INFORMATION

Related Product Information for anti-PSAT1 antibody	Function: Catalyzes the reversible conversion of 3-phosphohydroxypyruvate to phosphoserine and of 3-hydroxy-2-oxo-4-phosphonooxybutanoate to phosphohydroxythreonine. Subunit Structure: Homodimer. Similarity: Belongs to the class-V pyridoxal-phosphate-dependent aminotransferase family. SerC subfamily.
---	---

NCBI AND UNIPROT INFORMATION

NCBI GI #	10863955
NCBI GeneID	29968
NCBI Accession #	NP_066977.1
NCBI GenBank Nucleotide #	NM_021154.4
UniProt Accession #	Q9Y617; Q5T7G5; Q5T7G6; Q96AW2; Q9BQ12
Molecular Weight	Observed: 37-40 kDa Predicted: 41 kDa
NCBI Official Full Name	phosphoserine aminotransferase isoform 2
NCBI Official Synonym Full Names	phosphoserine aminotransferase 1
NCBI Official Symbol	PSAT1
NCBI Official Synonym Symbols	PSA; EPIP; NLS2; PSAT; PSATD
NCBI Protein Information	phosphoserine aminotransferase
UniProt Protein Name	Phosphoserine aminotransferase
UniProt Gene Name	PSAT1
UniProt Synonym Gene Names	PSA; PSAT

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/psat1-antibody-immunohistochemistry-western-blot-elisa/322957>