

Rabbit PSAT1 Polyclonal Antibody | anti-PSAT1 antibody

Anti-PSAT1 Antibody

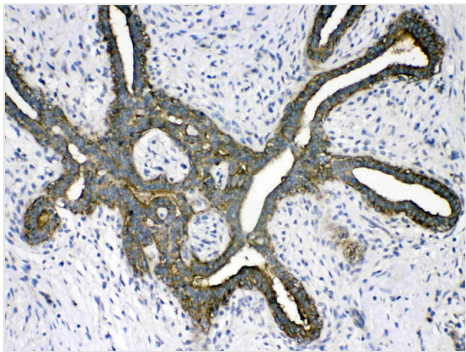
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA46843	Rabbit	Human, Mouse, Rat	Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

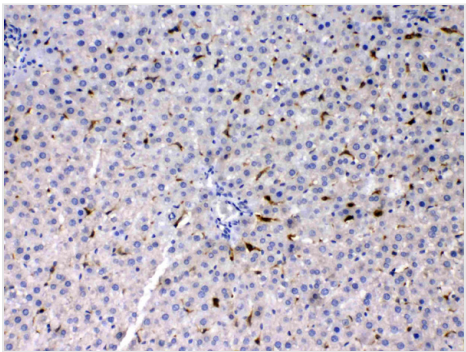
PSAT1; Polyclonal Antibody; Anti-PSAT1 Antibody; EPIP; MGC1460; NLS2; PSA; PSAT; Psat1; PSATD; Q9Y617; Phosphoserine aminotransferase; phosphoserine aminotransferase 1; anti-PSAT1 antibody

PRODUCT SPECIFICATIONS

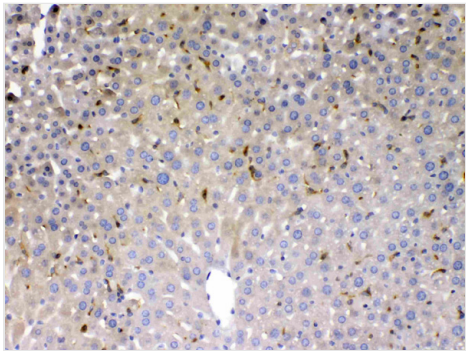
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Sequence Length	324
Applicable Applications for anti-PSAT1 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Notes	Tested Species: In-house tested species with positive results. By Heat: Boiling the paraffin sections in 10mM citrate buffer, pH6.0, for 20mins is required for the staining of formalin/paraffin sections. Other applications have not been tested.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Immunogen	E. coli-derived human PSAT1 recombinant protein (Position: Q276-L370). Human PSAT1 shares 90.5% amino acid (aa) sequence identity with mouse PSAT1.
Preparation and Storage	Store at -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.



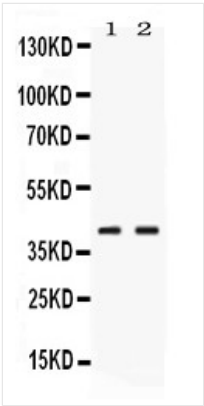
IHC (Immunohistochemistry)
PSAT1 was detected in paraffin-embedded sections of human mammary cancer tissues using rabbit anti- PSAT1 Antigen Affinity purified polyclonal antibody at 1ug/mL. The immunohistochemical section was developed using SABC method.



IHC (Immunohistochemistry)
PSAT1 was detected in paraffin-embedded sections of rat liver tissues using rabbit anti- PSAT1 Antigen Affinity purified polyclonal antibody at 1ug/mL. The immunohistochemical section was developed using SABC method.



IHC (Immunohistochemistry)
PSAT1 was detected in paraffin-embedded sections of mouse liver tissues using rabbit anti- PSAT1 Antigen Affinity purified polyclonal antibody at 1 ug/mL. The immunohistochemical section was developed using SABC method.



WB (Western Blot)
Western blot analysis of PSAT1 expression in rat pancreas extract (lane 1) and HELA whole cell lysates (lane 2). PSAT1 at 40KD was detected using rabbit anti- PSAT1 Antigen Affinity purified polyclonal antibody at 0.5ug/mL. The blot was developed using chemiluminescence (ECL) method.

ADDITIONAL INFORMATION

Related Product Information for anti-PSAT1 antibody	Rabbit IgG polyclonal antibody for Phosphoserine aminotransferase(PSAT1) detection. Background: Phosphoserine aminotransferase (PSA), also known as phosphohydroxythreonine aminotransferase (PSAT), is an enzyme that in humans is encoded by the PSAT1 gene. 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.
References	1. Hart CE, Race V, Achouri Y, Wiame E, Sharrard M, Olpin SE, Watkinson J, Bonham JR, Jaeken J, Matthijs G, Van Schaftingen E (2007). "Phosphoserine aminotransferase deficiency: a novel disorder of the serine biosynthesis pathway". Am. J. Hum. Genet. 80 (5): 931-7. 2. Skarnes WC, Rosen B, West AP, Koutsourakis M, Bushell W, Iyer V, Mujica AO, Thomas M, Harrow J, Cox T, Jackson D, Severin J, Biggs P, Fu J, Nefedov M, de Jong PJ, Stewart AF, Bradley A (2011). "A conditional knockout resource for the genome-wide study of mouse gene function". Nature 474 (7351): 337-342.

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	35,189 Da
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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/psat1-antibody-immunohistochemistry-western-blot-elisa/46843>