

Product datasheet for **TA339354**

Phosphoserine Aminotransferase (PSAT1) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB, IHC
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for anti-PSAT1 antibody: synthetic peptide directed towards the N terminal of human PSAT1. Synthetic peptide located within the following region: ADYVVTGAWSAKAAEEAKKFGTINIVHPKLGSYTKIPDPSTWNLNPDASY
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Concentration:	lot specific
Purification:	Protein A purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	40 kDa
Gene Name:	phosphoserine aminotransferase 1
Database Link:	NP_478059 Entrez Gene 29968 Human Q9Y617



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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]

Synonyms:

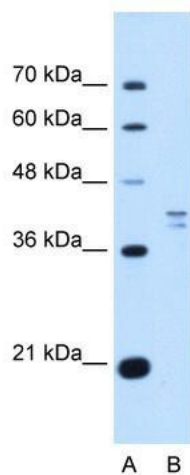
EPIP; NLS2; PSA; PSAT; PSATD

Note:

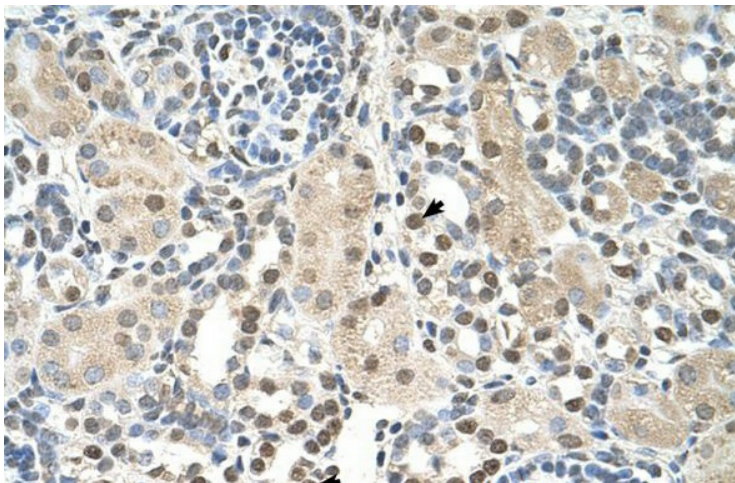
Immunogen Sequence Homology: Dog: 100%; Pig: 100%; Rat: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Bovine: 100%; Rabbit: 100%; Guinea pig: 100%; Zebrafish: 86%

Protein Pathways:

Glycine, serine and threonine metabolism, Metabolic pathways, Vitamin B6 metabolism

Product images:

WB Suggested Anti-PSAT1 Antibody Titration: 1 ug/ml; Positive Control: HepG2 cell lysate. PSAT1 is supported by BioGPS gene expression data to be expressed in HepG2



Human kidney