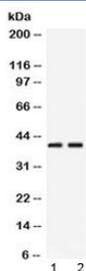


PSAT1 Antibody / Phosphoserine aminotransferase (R32554)

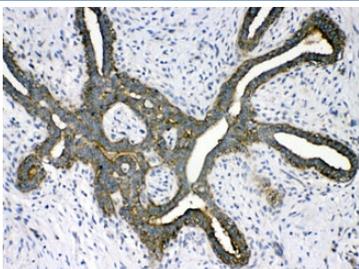
Catalog No.	Formulation	Size
R32554	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

[Bulk quote request](#)

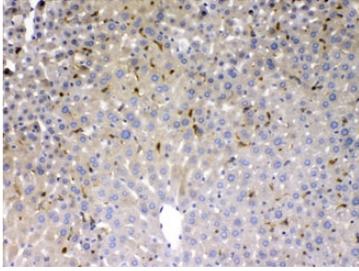
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide
UniProt	Q9Y617
Localization	Cytoplasmic
Applications	Western Blot : 0.5-1ug/ml IHC (FFPE) : 1-2ug/ml
Limitations	This PSAT1 antibody is available for research use only.



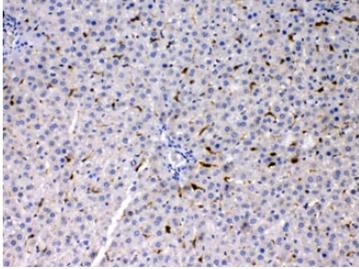
Western blot testing of 1) rat pancreas and 2) human HeLa lysate with PSAT1 antibody at 0.5ug/ml. Predicted/observed molecular weight ~40 kDa.



IHC testing of FFPE human breast cancer tissue with PSAT1 antibody at 1ug/ml. HIER: steam section in pH6 citrate buffer for 20 min.



IHC testing of FFPE mouse liver with PSAT1 antibody at 1ug/ml. HIER: steam section in pH6 citrate buffer for 20 min.



IHC testing of FFPE rat liver with PSAT1 antibody at 1ug/ml. HIER: steam section in pH6 citrate buffer for 20 min.

Description

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.

Application Notes

Differences in protocols and secondary/substrate sensitivity may require the PSAT1 antibody to be titrated for optimal performance.

Immunogen

Amino acids Q276-L370 from the human protein were used as the immunogen for the PSAT1 antibody.

Storage

After reconstitution, the PSAT1 antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.