

PSAT1 Antibody (C-term) Blocking peptide
Synthetic peptide
Catalog # BP12152b**Specification**

PSAT1 Antibody (C-term) Blocking peptide - Product InformationPrimary Accession [Q9Y617](#)**PSAT1 Antibody (C-term) Blocking peptide - Additional Information****Gene ID** 29968**Other Names**

Phosphoserine aminotransferase, Phosphohydroxythreonine aminotransferase, PSAT, PSAT1, PSA

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

PSAT1 Antibody (C-term) Blocking peptide - Protein Information**Name** PSAT1 ([HGNC:19129](#))**Synonyms** PSA**Function**

Involved in L-serine biosynthesis via the phosphorylated pathway, a three-step pathway converting the glycolytic intermediate 3- phospho-D-glycerate into L-serine. Catalyzes the second step, that is the pyridoxal 5'-phosphate-dependent transamination of 3- phosphohydroxypyruvate and L-glutamate to O-phosphoserine (OPS) and alpha-ketoglutarate.

Tissue Location

Expressed at high levels in the brain, liver, kidney and pancreas, and very weakly expressed in the thymus, prostate, testis and colon.

PSAT1 Antibody (C-term) Blocking peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

PSAT1 Antibody (C-term) Blocking peptide - Images**PSAT1 Antibody (C-term) Blocking peptide - Background**

The protein encoded by this gene is likely a phosphoserineaminotransferase, based on similarity to proteins in mouse, rabbit, and Drosophila. Alternative splicing of this gene results in two transcript variants encoding different isoforms. [provided by RefSeq].

PSAT1 Antibody (C-term) Blocking peptide - References

Vie, N., et al. Mol. Cancer 7, 14 (2008) : Sugiyama, N., et al. Mol. Cell Proteomics 6(6):1103-1109 (2007) Baek, J.Y., et al. Biochem. J. 373 (PT 1), 191-200 (2003) : Basurko, M.J., et al. IUBMB Life 48(5):525-529 (1999) Misrahi, M., et al. Biochemistry 26(13):3975-3982 (1987)