

SULT1B1 Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP16645b**Specification**

SULT1B1 Antibody (C-term) Blocking Peptide - Product InformationPrimary Accession [O43704](#)**SULT1B1 Antibody (C-term) Blocking Peptide - Additional Information****Gene ID** 27284**Other Names**

Sulfotransferase family cytosolic 1B member 1, ST1B1, Sulfotransferase 1B1, 282-, Sulfotransferase 1B2, ST1B2, Thyroid hormone sulfotransferase, SULT1B1, ST1B2, SULT1B2

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.

SULT1B1 Antibody (C-term) Blocking Peptide - Protein Information**Name** SULT1B1**Synonyms** ST1B2 {ECO:0000303|PubMed:9443824}, SULT**Function**

Sulfotransferase that utilizes 3'-phospho-5'-adenylyl sulfate (PAPS) as sulfonate donor to catalyze the sulfate conjugation of dopamine, small phenols such as 1-naphthol and p-nitrophenol and thyroid hormones, including 3,3'-diiodothyronine, triiodothyronine (T3) and reverse triiodothyronine (rT3) (PubMed: [28084139](http://www.uniprot.org/citations/28084139)), PubMed: [9443824](http://www.uniprot.org/citations/9443824), PubMed: [9463486](http://www.uniprot.org/citations/9463486)). May play a role in gut microbiota-host metabolic interaction. O-sulfonates 4-ethylphenol (4-EP), a dietary tyrosine- derived metabolite produced by gut bacteria. The product 4-EPS crosses the blood-brain barrier and may negatively regulate oligodendrocyte maturation and myelination, affecting the functional connectivity of different brain regions associated with the limbic system (PubMed: [35165440](http://www.uniprot.org/citations/35165440)).

Cellular Location

Cytoplasm

Tissue Location

Highly expressed in the liver, peripheral blood leukocytes, colon (mucosal lining), small intestine (jejunum) and spleen. A lesser expression was observed in the lung, placenta and thymus.

SULT1B1 Antibody (C-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

SULT1B1 Antibody (C-term) Blocking Peptide - Images**SULT1B1 Antibody (C-term) Blocking Peptide - Background**

Sulfotransferase enzymes catalyze the sulfate conjugation of many hormones, neurotransmitters, drugs, and xenobiotic compounds. These cytosolic enzymes are different in their tissue distributions and substrate specificities. The gene structure (number and length of exons) is similar among family members. However, the total genomic length of this gene is greater than that of other SULT1 genes.

SULT1B1 Antibody (C-term) Blocking Peptide - References

Ross, C.J., et al. Nat. Genet. 41(12):1345-1349(2009) Saito, A., et al. J. Hum. Genet. 54(6):317-323(2009) Allali-Hassani, A., et al. PLoS Biol. 5 (5), E97 (2007) :Dombrovski, L., et al. Proteins 64(4):1091-1094(2006) Meinel, W., et al. Biochem. Biophys. Res. Commun. 288(4):855-862(2001)