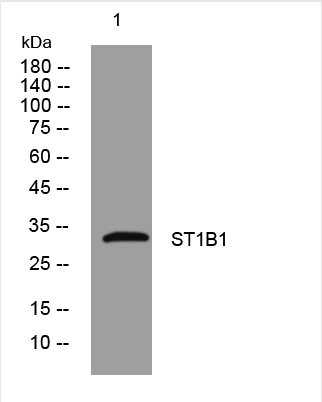
ST1B1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	ST1B1, Polyclonal Antibody
Full Product Name	ST1B1 Antibody
Product Gene Name	anti-ST1B1 antibody
Product Synonym Names	ST1B1
Clonality	Polyclonal
Isotype	Rabbit IgG
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Form/Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Purity/Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration	1mg/ml (lot specific)
Specificity	This antibody detects endogenous levels of ST1B1 at Human/Mouse/Rat
Preparation and Storage	Store at -20 degree C/1 year
Molecular Weight	34,899 Da
OMIM	608436
3D Structure	ModBase 3D Structure for O43704
Immunogen	Synthesized peptide derived from human ST1B1 AA range: 223-273
Modification	Unmodified/Total
Product Categories/Family for anti-ST1B1 antibody	Primary Antibodies
Applications Tested/Suitable for anti-ST1B1 antibody	Western Blot (WB)
Application Notes for anti-ST1B1 antibody	WB: 1:500-2000
Related Product Information for anti-ST1B1 antibody	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. [provided by RefSeq, Jul 2008]
Other Notes	Small volumes of anti-ST1B1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for ST1B1 purchase	MBS9520882 is an antibody targeting ST1B1. Also known as ST1B1 Antibody. Reactive in Human, Mouse, Rat. Host: Rabbit.



Western Blot (WB) of anti-ST1B1 antibody
Western blot analysis of lysates from PC-12 cells, primary antibody was diluted at 1:1000, 4 degree over night

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for ST1B1. It may not necessarily be applicable to this product.

NCBI GI #	29550928
NCBI GeneID	27284
NCBI Accession #	NP_055280.2
UniProt Primary Accession #	O43704
UniProt Secondary Accession #	O15497; Q96FI1; Q9UK34
UniProt Related Accession #	O43704
GenBank Nucleotide #	NM_014465.3
NCBI Official Full Name	sulfotransferase family cytosolic 1B member 1
NCBI Official Synonym Full Names	sulfotransferase family, cytosolic, 1B, member 1
NCBI Official Symbol	SULT1B1
NCBI Official Synonym Symbols	ST1B1; ST1B2; SULT1B2
UniProt Protein Name	Sulfotransferase family cytosolic 1B member 1
UniProt Synonym Protein Names	Sulfotransferase 1B2; ST1B2; Thyroid hormone sulfotransferase
Protein Family	Sulfotransferase family cytosolic
UniProt Gene Name	SULT1B1
UniProt Synonym Gene Names	ST1B2; SULT1B2; ST1B1; Sulfotransferase 1B1; ST1B2
UniProt Entry Name	ST1B1_HUMAN
NCBI Protein Information	sulfotransferase family cytosolic 1B member 1; sulfotransferase 1B1; sulfotransferase 1B2; thyroid hormone sulfotransferase

UniProt Comments for ST1B1	SULT1B1: Sulfotransferase that utilizes 3'-phospho-5'-adenylyl sulfate (PAPS) as sulfonate donor to catalyze the sulfate conjugation of many hormones, neurotransmitters, drugs and xenobiotic compounds. Sulfonation increases the water solubility of most compounds, and therefore their renal excretion, but it can also result in bioactivation to form active metabolites. Sulfates dopamine, small phenols such as 1-naphthol and p-nitrophenol and thyroid hormones, including 3,3'-diiodothyronine, triidothyronine, reverse triiodothyronine and thyroxine. Belongs to the sulfotransferase 1 family. Protein type: Transferase; EC 2.8.2.- Chromosomal Location of Human Ortholog: 4q13.3 Cellular Component: cytosol Molecular Function: sulfotransferase activity; aryl sulfotransferase activity Biological Process: steroid metabolic process; biogenic amine metabolic process; flavonoid metabolic process; epithelial cell differentiation; xenobiotic metabolic process; sulfation; 3'-phosphoadenosine 5'-phosphosulfate metabolic process; thyroid hormone metabolic process; phenol metabolic process
Research Articles on ST1B1	**1.** Observational study of gene-disease association. (HuGE Navigator)
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