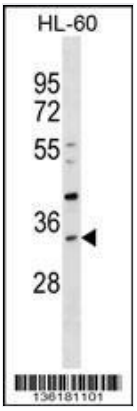
SULT1B1 Antibody – Rabbit Polyclonal

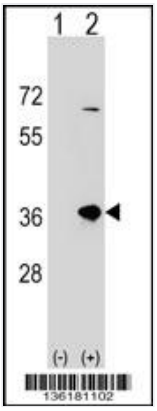
PRODUCT OVERVIEW

Product Name	SULT1B1, Polyclonal Antibody
Full Product Name	SULT1B1, CT (SULT1B1, ST1B2, SULT1B2, Sulfotransferase family cytosolic 1B member 1, Sulfotransferase 1B2, Thyroid hormone sulfotransferase) (PE)
Product Gene Name	anti-SULT1B1 antibody
Product Synonym Names	SULT1B1; ST1B2; SULT1B2; Sulfotransferase family cytosolic 1B member 1; Sulfotransferase 1B2; Thyroid hormone sulfotransferase
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with R-Phycoerythrin (PE).
Purity/Purification	Purified by Protein A Affinity Chromatography.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: PE conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	34,899 Da
OMIM	608436
3D Structure	ModBase 3D Structure for O43704
Immunogen	SULT1B1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 190-219 amino acids from the C-terminal region of human SULT1B1.
Conjugate	PE
Note	Preservative Free
Special Handling	Light sensitive
Product Categories/Family for anti-SULT1B1 antibody	Antibodies; Enzymes; Sulfotransferase
Applications Tested/Suitable for anti-SULT1B1 antibody	Western Blot (WB), FLISA
Application Notes for anti-SULT1B1 antibody	WB: 1:100-500 FLISA: 1:1,000 Applications are based on unconjugated antibody.
Related Product Information for anti-SULT1B1 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.
Product References and Citations for anti-SULT1B1 antibody	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). Meinl, W., et al. Biochem. Biophys. Res. Commun. 288(4):855-862(2001).

Other Notes	Small volumes of anti-SULT1B1 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 SULT1B1 purchase	MBS6352521 is an antibody targeting SULT1B1. Also known as SULT1B1, CT (SULT1B1, ST1B2, SULT1B2, Sulfotransferase family cytosolic 1B member 1, Sulfotransferase 1B2, Thyroid hormone sulfotransferase) (PE). Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-SULT1B1 antibody
SULT1B1 Antibody (C-term) western blot analysis in HL-60 cell line lysates (35ug/lane).This demonstrates the SULT1B1 antibody detected the SULT1B1 protein (arrow).



Western Blot (WB) of anti-SULT1B1 antibody
Western blot analysis of SULT1B1 (arrow) using rabbit polyclonal SULT1B1 Antibody (C-term). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the SULT1B1 gene.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for SULT1B1. 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 SULT1B1	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 SULT1B1	**1.** Observational study of gene-disease association. (HuGE Navigator)
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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