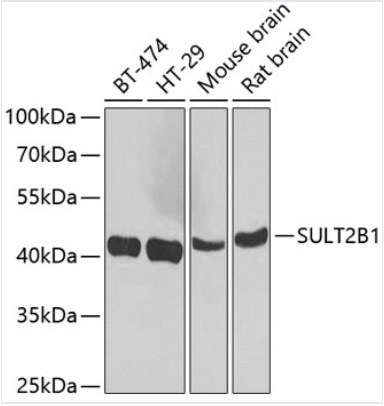
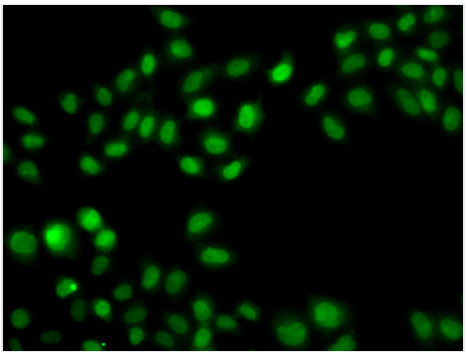
SULT2B1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	SULT2B1, Polyclonal Antibody
Full Product Name	SULT2B1 Rabbit Polyclonal Antibody
Product Gene Name	anti-SULT2B1 antibody
Product Synonym Names	SULT2B1; HSST2
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Form/Format	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Purity/Purification	Affinity purification
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.
Molecular Weight	39,599 Da
OMIM	604125
3D Structure	ModBase 3D Structure for O00204
Immunogen	Recombinant fusion protein of human SULT2B1 (NP_814444.1).
Product Categories/Family for anti-SULT2B1 antibody	Primary Antibody
Applications Tested/Suitable for anti-SULT2B1 antibody	Western Blot (WB), Immunofluorescence (IF)
Application Notes for anti-SULT2B1 antibody	WB: 1:500-1:2000 IF: 1:50-1:100
Related Product Information for anti-SULT2B1 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. This gene sulfates dehydroepiandrosterone but not 4-nitrophenol, a typical substrate for the phenol and estrogen sulfotransferase subfamilies. Two alternatively spliced variants that encode different isoforms have been described.
Other Notes	Small volumes of anti-SULT2B1 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 SULT2B1 purchase	MBS9466332 is an antibody targeting SULT2B1. Also known as SULT2B1 Rabbit Polyclonal Antibody. Reactive in Human, Mouse, Rat. Host: Rabbit.



Western Blot (WB) of anti-SULT2B1 antibody
Western blot analysis of extracts of various cell lines, using SULT2B1 antibody.



Immunofluorescence (IF) of anti-SULT2B1 antibody
Immunofluorescence analysis of A549 cells using SULT2B1 antibody.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for SULT2B1. It may not necessarily be applicable to this product.

NCBI GI #	31563388
NCBI GeneID	6820
NCBI Accession #	NP_004596.2
UniProt Primary Accession #	O00204
UniProt Secondary Accession #	O00205; O75814
UniProt Related Accession #	O00204
GenBank Nucleotide #	NM_004605.2
NCBI Official Full Name	sulfotransferase family cytosolic 2B member 1 isoform a
NCBI Official Synonym Full Names	sulfotransferase family, cytosolic, 2B, member 1
NCBI Official Symbol	SULT2B1
NCBI Official Synonym Symbols	HSST2
UniProt Protein Name	Sulfotransferase family cytosolic 2B member 1
UniProt Synonym Protein Names	Alcohol sulfotransferase; Hydroxysteroid sulfotransferase 2
Protein Family	Sulfotransferase family cytosolic
UniProt Gene Name	SULT2B1
UniProt Synonym Gene Names	HSST2; ST2B1; Sulfotransferase 2B1
UniProt Entry Name	ST2B1_HUMAN
NCBI Protein Information	sulfotransferase family cytosolic 2B member 1; ST2B1; alcohol sulfotransferase; hydroxysteroid sulfotransferase 2; sulfotransferase 2B1

UniProt Comments for SULT2B1	SULT2B1: 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 hydroxysteroids like DHEA. Isoform 1 preferentially sulfonates cholesterol, and isoform 2 avidly sulfonates pregnenolone but not cholesterol. Belongs to the sulfotransferase 1 family. 2 isoforms of the human protein are produced by alternative splicing. Protein type: EC 2.8.2.2; Lipid Metabolism - androgen and estrogen; Energy Metabolism - sulfur; Transferase Chromosomal Location of Human Ortholog: 19q13.3 Cellular Component: intracellular membrane-bound organelle; endoplasmic reticulum; cytoplasm; nucleus; cytosol Molecular Function: protein binding; alcohol sulfotransferase activity; steroid sulfotransferase activity Biological Process: steroid metabolic process; sulfate assimilation; xenobiotic metabolic process; 3'-phosphoadenosine 5'-phosphosulfate metabolic process
Research Articles on SULT2B1	**1.** This study identified specific germline variations in estradiol metabolism-related pathways, namely CYP1B1, SULT2B1, and HSD17B2, as novel prognostic markers that are cumulatively associated with increased risk of prostate cancer progression
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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