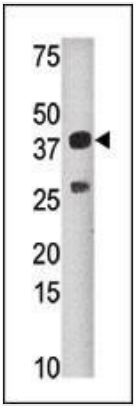
SULT1C2 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	SULT1C2, Polyclonal Antibody
Full Product Name	SULT1C2, NT (Sulfotransferase 1C4, ST1C4, Sulfotransferase 1C2, SULT1C#2, SULT1C4) (APC)
Product Gene Name	anti-SULT1C2 antibody
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 Allophycocyanin (APC).
Purity/Purification	Purified by Protein G Affinity Chromatography.
Specificity	Recognizes human SULT1C2.
Preparation and Storage	May be stored at 4 degree C for short-term only. Aliquot to avoid repeated freezing and thawing. Do not freeze APC conjugates. Light sensitive. Aliquots are stable for at least 6 months. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.
Molecular Weight	37.6kDa (322aa), confirmed by MALDI-TOF
OMIM	608357
3D Structure	ModBase 3D Structure for O75897
Immunogen	Synthetic peptide selected from the N-terminal region of human SULT1C2 (KLH).
Conjugate	APC
Note	Preservative Free
Special Handling	Light sensitive
Product Categories/Family for anti-SULT1C2 antibody	Antibodies; Enzymes; Sulfotransferase
Applications Tested/Suitable for anti-SULT1C2 antibody	Western Blot (WB), FLISA
Application Notes for anti-SULT1C2 antibody	WB: 1:100-1:500 FLISA: 1:1,000 Applications are based on unconjugated antibody.
Related Product Information for anti-SULT1C2 antibody	MBS6501488 is an antibody targeting SULT1C2. Also known as SULT1C2, NT (Sulfotransferase 1C4, ST1C4, Sulfotransferase 1C2, SULT1C#2, SULT1C4) (APC). Reactive in Human. Host: Rabbit.
Product References and Citations for anti-SULT1C2 antibody	1. Mutat. Res. 482(1-2), 27-40 (2001). 2. Chem. Biol. Interact. 129(1-2), 141-170 (2000). 3. Genomics 65(2), 157-165 (2000). 4. J. Biol. Chem. 273(51), 33929-33935 (1998). 5. FASEB J. 11(1), 3-14 (1997).
Other Notes	Small volumes of anti-SULT1C2 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.



Western Blot (WB) of anti-SULT1C2 antibody
Western blot analysis of anti-SULT1C2 Pab in mouse liver tissue lysate (35ug/lane). SULT1C2(arrow) was detected using the purified Pab.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for SULT1C2. It may not necessarily be applicable to this product.

NCBI GI #	28830308
NCBI GeneID	27233
NCBI Accession #	NP_006579
UniProt Primary Accession #	O75897
UniProt Secondary Accession #	Q069I8; Q08AS5; Q53S63
UniProt Related Accession #	O75897
GenBank Nucleotide #	NM_006588.3
NCBI Official Full Name	sulfotransferase 1C4 isoform 1
NCBI Official Synonym Full Names	sulfotransferase family 1C member 4
NCBI Official Symbol	SULT1C4
NCBI Official Synonym Symbols	SULT1C; SULT1C2
UniProt Protein Name	Sulfotransferase 1C4
UniProt Synonym Protein Names	Sulfotransferase 1C2; SULT1C#2
Protein Family	Sulfotransferase
UniProt Gene Name	SULT1C4
UniProt Synonym Gene Names	SULT1C2; ST1C4; SULT1C#2
UniProt Entry Name	ST1C4_HUMAN
NCBI Protein Information	sulfotransferase 1C4
NCBI Summary for SULT1C2	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 encodes a protein that belongs to the SULT1 subfamily, responsible for transferring a sulfo moiety from PAPS to phenol-containing compounds. [provided by RefSeq, Jul 2008]

UniProt Comments for SULT1C2	SULT1C4: Sulfotransferase that utilizes 3'-phospho-5'-adenylyl sulfate (PAPS) as sulfonate donor to catalyze the sulfate conjugation of drugs, xenobiotic compounds, hormones, and neurotransmitters. May be involved in the activation of carcinogenic hyroxylamines. Shows activity towards p-nitrophenol and N-hydroxy-2-acetylamino-fluorene (N-OH-2AAF). Belongs to the sulfotransferase 1 family. Protein type: EC 2.8.2.-; Transferase Chromosomal Location of Human Ortholog: 2q12.3 Cellular Component: cytosol Molecular Function: sulfotransferase activity Biological Process: xenobiotic metabolic process; sulfation; 3'-phosphoadenosine 5'-phosphosulfate metabolic process
Research Articles on SULT1C2	**1.** The current study aimed to identify the human cytosolic sulfotransferase(s) that is(are) capable of sulfating doxorubicin and its analog epirubicin, and to verify whether sulfation of doxorubicin and epirubicin may occur under metabolic conditions.
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