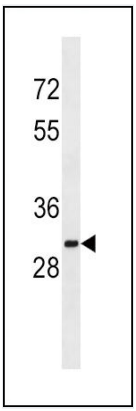
SULT1A2 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	SULT1A2, Polyclonal Antibody
Full Product Name	SULT1A2, CT (SULT1A2, STP2, Sulfotransferase 1A2, Aryl sulfotransferase 2, Phenol sulfotransferase 2, Phenol-sulfating phenol sulfotransferase 2) (Biotin)
Product Gene Name	anti-SULT1A2 antibody
Product Synonym Names	SULT1A2; STP2; Sulfotransferase 1A2; Aryl sulfotransferase 2; Phenol sulfotransferase 2; Phenol-sulfating phenol sulfotransferase 2
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 Biotin.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and store at -20 degree C. Aliquots are stable at -20 degree C for 12 months after receipt. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.
Molecular Weight	~36.4kD
Chromosome Location	Chromosome: 16; NC_000016.9 (28603264..28611058, complement). Location: 16p12.1
OMIM	601292
3D Structure	ModBase 3D Structure for P50226
Immunogen	SULT1A2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 257-287 amino acids from the C-terminal region of human SULT1A2.
Conjugate	Biotin
Note	Preservative Free
Product Categories/Family for anti-SULT1A2 antibody	Antibodies; Enzymes; Sulfotransferase
Applications Tested/Suitable for anti-SULT1A2 antibody	Western Blot (WB), ELISA (EIA)
Application Notes for anti-SULT1A2 antibody	WB: 1:100-500 ELISA: 1:1,000 Applications are based on unconjugated antibody.
Related Product Information for anti-SULT1A2 antibody	SULT1A2 catalyzes the sulfate conjugation of catecholamines, phenolic drugs and neurotransmitters. Is also responsible for the sulfation and activation of minoxidil. Mediates the metabolic activation of carcinogenic N-hydroxyarylamines to DNA binding products and could so participate as modulating factor of cancer risk.
Other Notes	Small volumes of anti-SULT1A2 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 SULT1A2 purchase	MBS6352480 is an antibody targeting SULT1A2. Also known as SULT1A2, CT (SULT1A2, STP2, Sulfotransferase 1A2, Aryl sulfotransferase 2, Phenol sulfotransferase 2, Phenol-sulfating phenol sulfotransferase 2) (Biotin). Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-SULT1A2 antibody
SULT1A2 Antibody (C-term) western blot analysis in K562 cell line lysates (35ug/lane).This demonstrates the SULT1A2 antibody detected the SULT1A2 protein (arrow).

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for SULT1A2. It may not necessarily be applicable to this product.

NCBI GI #	29550893
NCBI GeneID	6799
NCBI Accession #	NP_803564.1
NCBI Related Accession #	NP_001045.1
UniProt Primary Accession #	P50226
UniProt Secondary Accession #	P78393; Q14CJ7; A9QY25
UniProt Related Accession #	P50226
GenBank Nucleotide #	NM_177528.2
NCBI Official Full Name	sulfotransferase 1A2
NCBI Official Synonym Full Names	sulfotransferase family, cytosolic, 1A, phenol-preferring, member 2
NCBI Official Symbol	SULT1A2
NCBI Official Synonym Symbols	STP2; HAST4; P-PST; ST1A2; TSPST2
UniProt Protein Name	Sulfotransferase 1A2
UniProt Synonym Protein Names	Aryl sulfotransferase 2; Phenol sulfotransferase 2; Phenol-sulfating phenol sulfotransferase 2; P-PST 2
Protein Family	Sulfotransferase
UniProt Gene Name	SULT1A2
UniProt Synonym Gene Names	STP2; ST1A2; P-PST 2
UniProt Entry Name	ST1A2_HUMAN
NCBI Protein Information	sulfotransferase 1A2; P-PST 2; aryl sulfotransferase 2; phenol sulfotransferase 2; arylamine sulfotransferase; thermostable phenol sulfotransferase; phenolic-metabolizing (P) form of PST; phenol-preferring phenol sulfotransferase2; phenol-sulfating phenol

NCBI Summary for SULT1A2	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 one of two phenol sulfotransferases with thermostable enzyme activity. Two alternatively spliced variants that encode the same protein have been described. [provided by RefSeq, Jul 2008]
UniProt Comments for SULT1A2	SULT1A2: Sulfotransferase that utilizes 3'-phospho-5'-adenylyl sulfate (PAPS) as sulfonate donor to catalyze the sulfate conjugation of catecholamines, phenolic drugs and neurotransmitters. Is also responsible for the sulfonation and activation of minoxidil. Mediates the metabolic activation of carcinogenic N-hydroxyarylamines to DNA binding products and could so participate as modulating factor of cancer risk. Belongs to the sulfotransferase 1 family. Protein type: Transferase; Energy Metabolism - sulfur; EC 2.8.2.1 Chromosomal Location of Human Ortholog: 16p12.1 Cellular Component: cytosol Molecular Function: sulfotransferase activity; flavonol 3-sulfotransferase activity; aryl sulfotransferase activity Biological Process: steroid metabolic process; amine biosynthetic process; xenobiotic metabolic process; sulfation; catecholamine metabolic process; 3'-phosphoadenosine 5'-phosphosulfate metabolic process; phenol metabolic process
Research Articles on SULT1A2	**1.** the statistical hypothesis that SULT1A1 and SULT1A2 alleles are independently distributed was rejected; a strongly positive linkage was detected between SULT1A1*2 and SULT1A2*2 alleles in Turkey population
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