SULT1A2 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	SULT1A2, Polyclonal Antibody
Full Product Name	SULT1A2
Product Gene Name	anti-SULT1A2 antibody
Product Synonym Names	HAST4; P-PST; ST1A2; STP2; TSPST2
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse
Purity/Purification	Affinity purification
Preparation and Storage	Aliquot and store at-20 degree C. Avoid repeated freeze/thaw cycles.
Molecular Weight	34kDa
OMIM	601292
3D Structure	ModBase 3D Structure for P50226
Immunogen	Recombinant protein of human SULT1A2
Storage Buffer	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-SULT1A2 antibody	Western Blot (WB)
Application Notes for anti-SULT1A2 antibody	WB: 1:500-1:2000
Related Product Information for anti-SULT1A2 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 encodes one of two phenol sulfotransferases with thermostable enzyme activity. Two alternatively spliced variants that encode the same protein have been described.
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	MBS8535645 is an antibody targeting SULT1A2. Reactive in Human, Mouse. Host: Rabbit.

ADDITIONAL DETAILS

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

NCBI GI #	4507303
NCBI GeneID	6799
NCBI Accession #	NP_001045.1

UniProt Primary Accession #	P50226
UniProt Secondary Accession #	P78393; Q14CJ7; A9QY25
UniProt Related Accession #	P50226
GenBank Nucleotide #	NM_001054.3
NCBI Official Full Name	sulfotransferase 1A2
NCBI Official Synonym Full Names	sulfotransferase family 1A 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
NCBI Protein Information	sulfotransferase 1A2
UniProt Comments for 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.
Research Articles on SULT1A2	**1.** The polymorphism of SULT1A2*2 is not associated with esophageal squamous cell carcinoma risk.
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