ST2A1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	ST2A1, Polyclonal Antibody
Full Product Name	ST2A1 Polyclonal Antibody
Product Gene Name	anti-ST2A1 antibody
Product Synonym Names	Bile salt sulfotransferase; EC 2.8.2.14; Dehydroepiandrosterone sulfotransferase; DHEA-ST; Hydroxysteroid Sulfotransferase; HST; ST2; ST2A3; Sulfotransferase 2A1; ST2A1; SULT2A1; HST; STD
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human
Form/Format	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Purity/Purification	Affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Preparation and Storage	Store at-20 degree C for 1 year.
Molecular Weight	31
OMIM	125263
3D Structure	ModBase 3D Structure for Q06520
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-ST2A1 antibody	Western Blot (WB), ELISA (EIA)
Application Notes for anti-ST2A1 antibody	WB: 1:500-2000 ELISA: 1:5000-20000
Related Product Information for anti-ST2A1 antibody	MBS8532297 is an antibody targeting ST2A1. Also known as ST2A1 Polyclonal Antibody. Reactive in Human. Host: Rabbit.
Other Notes	Small volumes of anti-ST2A1 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.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for ST2A1. It may not necessarily be applicable to this product.

NCBI GI #	29540545
NCBI GeneID	6822
NCBI Accession #	NP_003158.2
UniProt Primary Accession #	Q06520
UniProt Related Accession #	Q06520
GenBank Nucleotide #	NM_003167.3
NCBI Official Full Name	bile salt sulfotransferase

NCBI Official Synonym Full Names	sulfotransferase family 2A member 1
NCBI Official Symbol	SULT2A1
NCBI Official Synonym Symbols	HST; ST2; STD; hSTa; DHEAS; ST2A1; ST2A3; DHEA-ST
UniProt Protein Name	Bile salt sulfotransferase
UniProt Synonym Protein Names	Dehydroepiandrosterone sulfotransferase; DHEA-ST; Hydroxysteroid Sulfotransferase; HST; ST2; ST2A3; Sulfotransferase 2A1; ST2A1
Protein Family	Bile salt sulfotransferase
UniProt Gene Name	SULT2A1
UniProt Synonym Gene Names	HST; STD; DHEA-ST; HST; ST2A1
NCBI Protein Information	bile salt sulfotransferase
NCBI Summary for ST2A1	This gene encodes a member of the sulfotransferase family. Sulfotransferases aid in the metabolism of drugs and endogenous compounds by converting these substances into more hydrophilic water-soluble sulfate conjugates that can be easily excreted. This protein catalyzes the sulfation of steroids and bile acids in the liver and adrenal glands, and may have a role in the inherited adrenal androgen excess in women with polycystic ovary syndrome. [provided by RefSeq, Mar 2010]
UniProt Comments for ST2A1	Sulfotransferase that utilizes 3'-phospho-5'-adenylyl sulfate (PAPS) as sulfonate donor to catalyze the sulfonation of steroids and bile acids in the liver and adrenal glands.
Research Articles on ST2A1	**1.** Mass spectrometry analysis and structural modeling supported a reaction mechanism which involves the isomerization of Delta(4)-3-ketosteroids from the keto form to an enol form, prior to being subjected to sulfation. Results derived from this study suggested a potential role of SULT2A1 as a Delta(4)-3-ketosteroid sulfotransferase in steroid metabolism
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