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Anti-SULT2A1 Rabbit Monoclonal Antibody

Catalog # ABO15339

Product Information

Application	WB, IHC, IF, ICC, FC
Primary Accession	Q06520
Host	Rabbit
Isotype	IgG
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Format	Liquid
Description	Anti-SULT2A1 Rabbit Monoclonal Antibody . Tested in WB, IHC, ICC/IF, Flow Cytometry applications. This antibody reacts with Human, Mouse, Rat.

Additional Information

Gene ID	6822
Other Names	Sulfotransferase 2A1, ST2A1, 2.8.2.2, Bile salt sulfotransferase, 2.8.2.14, Dehydroepiandrosterone sulfotransferase, DHEA-ST, DHEA-ST8, Hydroxysteroid Sulfotransferase, HST, ST2, SULT2A3, SULT2A1, HST, STD
Calculated MW	33780
Application Details	WB 1:500-1:2000 IHC 1:100-1:500 ICC/IF 1:50-1:200 FC 1:80
Source	Eukaryota
Contents	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.
Clone Names	Clone: 19S15
Immunogen	A synthesized peptide derived from human SULT2A1
Purification	Affinity-chromatography
Storage	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.

Protein Information

Name	SULT2A1
Synonyms	HST, STD

Function

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 (PubMed:14573603, PubMed:18042734, PubMed:19589875, PubMed:20102295, PubMed:21187059, PubMed:2268288, PubMed:29671343, PubMed:7678732, PubMed:7854148). Mediates the sulfation of a wide range of steroids and sterols, including pregnenolone, androsterone, DHEA, bile acids, cholesterol and as well many xenobiotics that contain alcohol and phenol functional groups (PubMed:14573603, PubMed:18042734, PubMed:19589875, PubMed:20102295, PubMed:21187059, PubMed:2268288, PubMed:29671343, PubMed:7678732, PubMed:7854148). Sulfonation increases the water solubility of most compounds, and therefore their renal excretion, but it can also result in bioactivation to form active metabolites. Plays an important role in maintening steroid and lipid homeostasis (PubMed:14573603, PubMed:19589875, PubMed:21187059). Plays a key role in bile acid metabolism, mediating formation of 3-sulfated bile acids (PubMed:2268288, PubMed:20102295). In addition, catalyzes the metabolic activation of potent carcinogenic polycyclic arylmethanols (By similarity).

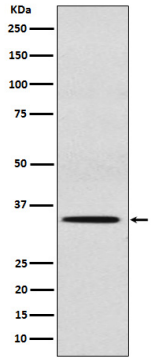
Cellular Location

Cytoplasm.

Tissue Location

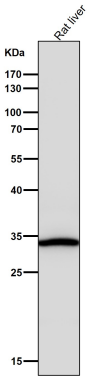
Liver, adrenal and at lower level in the kidney. Is present in human fetus in higher level in the adrenal than the liver and the kidney

Images

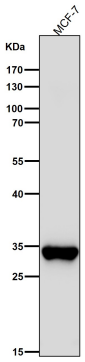


Western blot analysis of SULT2A1 expression in HepG2 cell lysate.

All lanes use the Antibody at 1:5K dilution for 1 hour at room temperature.



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Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.