

Sulfotransferase 2A1 Rabbit mAb

Catalog # AP77996

Product Information

Application WB, IHC-P, IF, FC, ICC

Primary Accession Q06520

Reactivity Rat, Human, Mouse

Host Rabbit

Clonality Monoclonal Antibody

Isotype IgG

Conjugate Unconjugated

Immunogen A synthesized peptide derived from human SULT2A1

Purification Affinity Chromatography

Calculated MW 33780

Additional Information

Gene ID 6822

Other Names SULT2A1

Dilution WB~~1/500-1/1000 IHC-P~~N/A IF~~1:50~200 FC~~1:10~50 ICC~~N/A

Format Liquid in 10mM PBS, pH 7.4, 150mM sodium chloride, 0.05% BSA, 0.02%

sodium azide and 50% glycerol.

Storage Store at 4°C short term. Aliquot and store at -20°C long term. Avoid

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. 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: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 (PubMed:<u>2268288</u>). In addition, catalyzes the metabolic activation of potent carcinogenic polycyclic arylmethanols (By similarity).

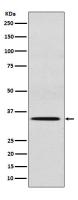
Cellular Location

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



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