

SULT2A1 Rabbit mAb [aYcj]

Cat NO. :A52731

Information:

| Applications | Reactivity: | UniProt ID: | MW(kDa) | Host | Isotype | Size |
|------------------|---------------------|-------------|---------|--------|---------|------------------|
| WB IHC ICC/IF FC | Human,Mouse,R at | Q06520 | 34kDa | Rabbit | IgG | 50ul,100ul,200ul |

Applications detail:

| Application | Dilution |
|--|-------------|
| WB | 1:1000-2000 |
| IHC | 1:100 |
| ICC/IF | 1:100 |
| The optimal dilutions should be determined by the end user | |

Conjugate:

UnConjugate

Form:

Liquid

sensitivity:

Endogenous

Purification:

Affinity-chromatography

Specificity:

Antibody is produced by immunizing animals with A synthesized peptide derived from human SULT2A1

Storage buffer and conditions:

Antibody store in 10 mM PBS, 0.5mg/ml BSA, 50% glycerol (buffer) .

Shipped at 4°C. Store at-20°C or -80°C.

Products are valid for one natural year of receipt.Avoid repeated freeze / thaw cycles.

Tissue specificity:

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.

Subcellular location:

Cytoplasm.

Function:

Introduction: **WB:** Western Blot **IP:** Immunoprecipitation **IHC:** Immunohistochemistry **ChIP:** Chromatin Immunoprecipitation **ICC/IF:** Immunocytochemistry/Immunofluorescence **F:** Flow Cytometry

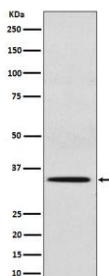
Cross Reactivity: **H:** human **M:** mouse **R:** rat **Hm:** hamster **Mk:** monkey **Vr:** virus **Ml:** mink **C:** chicken **Dm** D. melanogaster **X:** Xenopus **Z:** zebrafish **B:** bovine **Dg:** dog **Pg:** pig **Hr:** horse

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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:7678732, PubMed:2268288, PubMed:14573603, PubMed:18042734, PubMed:19589875, PubMed:21187059, PubMed:29671343, 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 maintaining steroid and lipid homeostasis (PubMed:21187059, PubMed:19589875, PubMed:14573603). Plays a key role in bile acid metabolism (PubMed:2268288). In addition, catalyzes the metabolic activation of potent carcinogenic polycyclic arylmethanols (By similarity)..

Validation Data:

SULT2A1 Rabbit mAb [aYcj] Images



Western blot (SDS PAGE) analysis of extracts from HepG2 cell lysate.Using SULT2A1 Rabbit mAb [aYcj]at dilution of 1:1000 incubated at 4°C over night.

View more information on <http://naturebios.com>

IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 1% w/v Milk, 1X TBST at 4°C overnight.