**Product Name: SULT2A1 (5Q7) Rabbit Monoclonal Antibody**
**Catalog #: AMRe18436**
For research use only.

## Summary

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|---|---|
| **Description** | Recombinant rabbit monoclonal antibody |
| **Host** | Rabbit |
| **Application** | WB,IHC,ICC/IF,FC |
| **Reactivity** | Human,Mouse,Rat |
| **Conjugation** | Unconjugated |
| **Modification** | Unmodified |
| **Isotype** | IgG |
| **Clonality** | Monoclonal |
| **Form** | Liquid |
| **Concentration** | 0.5mg/ml. The concentration of this product may be batch-dependent. |
| **Storage** | Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles. |
| **Shipping** | Ice bags |
| **Buffer** | Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% New type preservative N and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle. |
| **Purification** | Affinity purification |

## Application

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|---|---|
| **Dilution Ratio** | WB 1:1000-1:5000,IHC 1:500-1:2000,ICC/IF 1:20-1:50,FC 1:50-1:200 |
| **Molecular Weight** | 34kDa |

## Antigen Information

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|---|---|
| **Gene Name** | SULT2A1 |
| **Alternative Names** | HST; ST2; STD; hSTa; DHEAS; ST2A1; ST2A3; DHEA-ST; |
| **Gene ID** | 6822.0 |
| **SwissProt ID** | Q06520 |
| **Immunogen** | A synthetic peptide of human SULT2A1/ST2 |

## Background

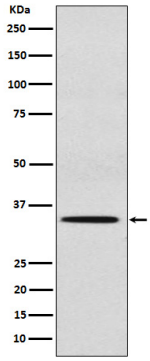
Catalyzes the sulfation of steroids and bile acids in the liver and adrenal glands. Sulfotransferase that utilizes 3'-phospho-5'-

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 maintening 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).

## Research Area

Signal Transduction

## Image Data




Western blot analysis of SULT2A1 expression in HepG2 cell lysate.