

产品名称: SULT2A1 (5Q7) Rabbit Monoclonal Antibody  
产品货号: AMRe18436



### 产品概述 (Summary)

|                        |                                          |
|------------------------|------------------------------------------|
| 产品名称 (Production Name) | SULT2A1 (5Q7) Rabbit Monoclonal Antibody |
| 描述 (Description)       | Recombinant rabbit monoclonal antibody   |
| 宿主 (Host)              | Rabbit                                   |
| 应用 (Application)       | WB,IHC,ICC/IF,FC                         |
| 种属反应性 (Reactivity)     | Human,Mouse,Rat                          |

### 产品性能 (Performance)

|                     |                                                                                                                                                                                              |
|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 偶联物 (Conjugation)   | Unconjugated                                                                                                                                                                                 |
| 修饰 (Modification)   | Unmodified                                                                                                                                                                                   |
| 同种型 (Isotype)       | IgG                                                                                                                                                                                          |
| 克隆 (Clonality)      | Monoclonal                                                                                                                                                                                   |
| 形式 (Form)           | Liquid                                                                                                                                                                                       |
| 存放说明 (Storage)      | Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.                                                                                                     |
| 储存溶液 (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. |
| 纯化方式 (Purification) | Affinity purification                                                                                                                                                                        |

### 免疫原信息 (Immunogen)

|                        |                                                    |
|------------------------|----------------------------------------------------|
| 基因名 (Gene Name)        | SULT2A1                                            |
| 别名 (Alternative Names) | HST; ST2; STD; hSTa; DHEAS; ST2A1; ST2A3; DHEA-ST; |
| 基因 ID (Gene ID)        | 6822.0                                             |
| 蛋白 ID (SwissProt ID)   | Q06520.                                            |

### 产品应用 (Application)

|                          |                                                                  |
|--------------------------|------------------------------------------------------------------|
| 稀释比 (Dilution Ratio)     | WB 1:1000-1:5000,IHC 1:500-1:2000,ICC/IF 1:20-1:50,FC 1:50-1:200 |
| 蛋白分子量 (Molecular Weight) | 34kDa                                                            |

### 研究背景 (Background)

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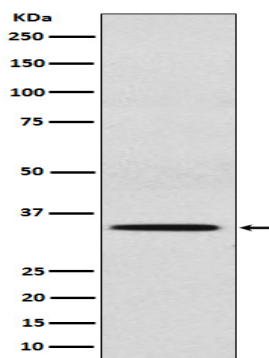


Catalyzes the sulfation of steroids and bile acids in the liver and adrenal glands. Sulfotransferase that utilizes 3'-phospho-5'-adenylyl sulfate (PAPS) as sulfonate donor to catalyze the sulfonation of steroids and bile acids in the liver and adrenal glands. Mediates the sulfation of a wide range of steroids and sterols, including pregnenolone, androsterone, DHEA, bile acids, cholesterol and as well many xenobiotics that contain alcohol and phenol functional groups (PubMed:<a href="http://www.uniprot.org/citations/7678732" target="\_blank">7678732</a>, PubMed:<a href="http://www.uniprot.org/citations/2268288" target="\_blank">2268288</a>, PubMed:<a href="http://www.uniprot.org/citations/14573603" target="\_blank">14573603</a>, PubMed:<a href="http://www.uniprot.org/citations/18042734" target="\_blank">18042734</a>, PubMed:<a href="http://www.uniprot.org/citations/19589875" target="\_blank">19589875</a>, PubMed:<a href="http://www.uniprot.org/citations/21187059" target="\_blank">21187059</a>, PubMed:<a href="http://www.uniprot.org/citations/29671343" target="\_blank">29671343</a>, PubMed:<a href="http://www.uniprot.org/citations/7854148" target="\_blank">7854148</a>). 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:<a href="http://www.uniprot.org/citations/21187059" target="\_blank">21187059</a>, PubMed:<a href="http://www.uniprot.org/citations/19589875" target="\_blank">19589875</a>, PubMed:<a href="http://www.uniprot.org/citations/14573603" target="\_blank">14573603</a>). Plays a key role in bile acid metabolism (PubMed:<a href="http://www.uniprot.org/citations/2268288" target="\_blank">2268288</a>). In addition, catalyzes the metabolic activation of potent carcinogenic polycyclic arylmethanols (By similarity).

## 研究领域 (Research Area)

Signal Transduction

## 图片 (Image Data)



Western blot analysis of SULT2A1 expression in HepG2 cell lysate.

## 注意事项 (Note)

For research use only .

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