

## Mouse SulT1A1 Monoclonal Antibody | anti-SulT1A1 antibody

SulT1A1 antibody

|                               |                      |                                                                                           |
|-------------------------------|----------------------|-------------------------------------------------------------------------------------------|
| CATALOG #<br><b>AAA107036</b> | HOST<br><b>Mouse</b> | APPLICATIONS<br><b>Western Blot, Immunofluorescence, Flow Cytometry, Functional Assay</b> |
|-------------------------------|----------------------|-------------------------------------------------------------------------------------------|

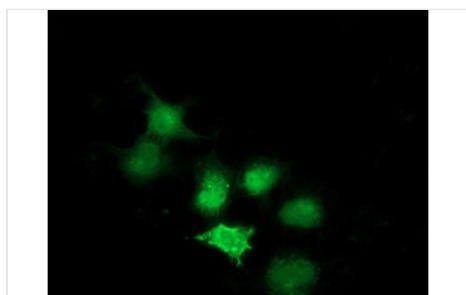
### PRODUCT SYNONYMS

SulT1A1; Monoclonal Antibody; SulT1A1 antibody; Monoclonal SulT1A1; Anti-SulT1A1; Sulfotransferase Family Cytosolic 1cA Phenol-Preferring Member 1; HAST1/HAST2; MGC131921; MGC5163; P-PST; PST; ST1A3; STP; STP1; TSPST1; SulTA 1; SulTA-1; anti-SulT1A1 antibody

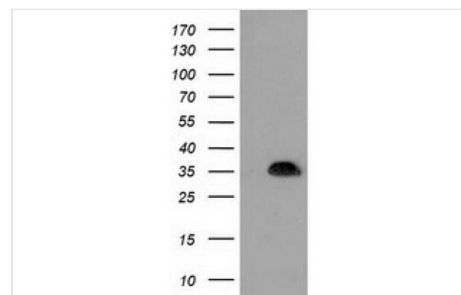
### PRODUCT SPECIFICATIONS

|                                                   |                                                                                                                                                                                                                                                                                                                                                                                                     |
|---------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                              | Mouse                                                                                                                                                                                                                                                                                                                                                                                               |
| Clonality                                         | Monoclonal                                                                                                                                                                                                                                                                                                                                                                                          |
| Isotype                                           | IgG1                                                                                                                                                                                                                                                                                                                                                                                                |
| Clone Number                                      | 2C5                                                                                                                                                                                                                                                                                                                                                                                                 |
| Purity/Purification                               | SulT1A1 antibody was purified by affinity chromatography.                                                                                                                                                                                                                                                                                                                                           |
| Form/Format                                       | Supplied in PBS buffer, pH 7.3, containing 1% BSA, 50% glycerol and 0.02% sodium azide.                                                                                                                                                                                                                                                                                                             |
| Concentration                                     | 500 ug-1 mg/ml (varies by lot)                                                                                                                                                                                                                                                                                                                                                                      |
| Sequence Length                                   | 295                                                                                                                                                                                                                                                                                                                                                                                                 |
| Applicable Applications for anti-SulT1A1 antibody | WB (Western Blot), IF (Immunofluorescence), FCM/FACS (Flow Cytometry)                                                                                                                                                                                                                                                                                                                               |
| Biological Significance                           | Sulfotransferase enzymes catalyze the sulfate conjugation of many hormones, neurotransmitters, drugs, and xenobiotic compounds. These cytosolic enzymes are different in their tissue distributions and substrate specificities. The gene structure (number and length of exons) is similar among family members. SulT1A1 is one of two phenol sulfotransferases with thermostable enzyme activity. |
| Cross-Reactivity                                  | Human                                                                                                                                                                                                                                                                                                                                                                                               |
| Immunogen                                         | SulT1A1 antibody was raised in mouse using a full length recombinant protein of human SulT1A1 (NP_001046) produced in HEK293T cells, as the immunogen.                                                                                                                                                                                                                                              |
| Preparation and Storage                           | Store at 4 degree C for short term storage. Aliquot and store at -20 degree C for long term storage. Avoid repeated freeze/thaw cycles.                                                                                                                                                                                                                                                             |

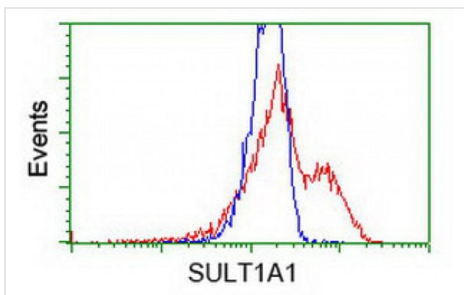
### IMAGES


**IF (Immunofluorescence)**

Immunofluorescent staining of COS7 cells transiently transfected with recombinant SulT1A1 protein using SulT1A1 antibody


**WB (Western Blot)**

Western Blot analysis of HEK293T cell lysates (5 ug) transfected with either recombinant SulT1A1 protein (Right) or empty vector (Left) detected with SulT1A1 antibody



**FCM/FACS (Flow Cytometry)**  
Flow Cytometric analysis of HEK293T cells transfected with either recombinant Sult1A1 protein (red) or empty vector (blue) stained using Sult1A1 antibody

### ADDITIONAL INFORMATION

|                                                       |                                   |
|-------------------------------------------------------|-----------------------------------|
| Related Product Information for anti-Sult1A1 antibody | Mouse monoclonal Sult1A1 antibody |
| Product Categories/Family for anti-Sult1A1 antibody   | Cell Biology                      |

### NCBI AND UNIPROT INFORMATION

|                                  |                                                                     |
|----------------------------------|---------------------------------------------------------------------|
| NCBI GI #                        | 29540531                                                            |
| NCBI GeneID                      | 6817                                                                |
| NCBI Accession #                 | NP_001046                                                           |
| NCBI GenBank Nucleotide #        | NM_001055.3                                                         |
| UniProt Accession #              | P50225; Q2NL71; Q86U58; Q92818; Q9BVU6; Q9UGG7                      |
| Molecular Weight                 | 25,388 Da                                                           |
| NCBI Official Full Name          | sulfotransferase 1A1 isoform a                                      |
| NCBI Official Synonym Full Names | sulfotransferase family, cytosolic, 1A, phenol-preferring, member 1 |
| NCBI Official Symbol             | SULT1A1                                                             |
| NCBI Official Synonym Symbols    | PST; STP; STP1; P-PST; ST1A1; ST1A3; TSPST1; HAST1/HAST2            |
| NCBI Protein Information         | sulfotransferase 1A1                                                |
| UniProt Protein Name             | Sulfotransferase 1A1                                                |
| UniProt Gene Name                | <b>SULT1A1</b>                                                      |
| UniProt Synonym Gene Names       | STP; STP1; ST1A1; P-PST 1; Ts-PST                                   |
| UniProt Entry Name               | ST1A1_HUMAN                                                         |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.