

## Mouse SULT1A1 Monoclonal Antibody | anti-SULT1A1 antibody

SULT1A1

|                               |                      |                                        |                                     |
|-------------------------------|----------------------|----------------------------------------|-------------------------------------|
| CATALOG #<br><b>AAA290962</b> | HOST<br><b>Mouse</b> | REACTIVITY<br><b>Human, Mouse, Rat</b> | APPLICATIONS<br><b>Western Blot</b> |
|-------------------------------|----------------------|----------------------------------------|-------------------------------------|

### PRODUCT SYNONYMS

SULT1A1; Monoclonal Antibody; Purified Mouse Monoclonal Antibody (Mab); Sulfotransferase 1A1; ST1A1; 2.8.2.1; Aryl sulfotransferase 1; HAST1/HAST2; Phenol sulfotransferase 1; Phenol-sulfating phenol sulfotransferase 1; P-PST 1; ST1A3; Thermostable phenol sulfotransferase; Ts-PST; STP; STP1; anti-SULT1A1 antibody

### PRODUCT SPECIFICATIONS

|                                                   |                                                                                                                                                                     |
|---------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                              | Mouse                                                                                                                                                               |
| Reactivity                                        | Human, Mouse, Rat                                                                                                                                                   |
| Clonality                                         | Monoclonal                                                                                                                                                          |
| Isotype                                           | IgG1,kappa                                                                                                                                                          |
| Clone Number                                      | 2144CT289.81.2                                                                                                                                                      |
| Specificity                                       | This antibody is generated from a mouse immunized with a recombinant protein from human.                                                                            |
| Form/Format                                       | Purified monoclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein G column, followed by dialysis against PBS. |
| Applicable Applications for anti-SULT1A1 antibody | WB (Western Blot)                                                                                                                                                   |
| Antigen Source                                    | Human                                                                                                                                                               |
| Preparation and Storage                           | Maintain refrigerated at 2-8 degree C for up to 2 weeks. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.               |

### IMAGES



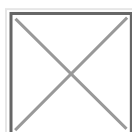
#### WB (Western Blot)

Anti-SULT1A1 at dilution + HepG2 whole cell lysateLysates/proteins at 20 ug per lane.SecondaryGoat Anti-mouse IgG, (H+L), Peroxidase conjugated at 1/10000 dilution.Predicted band size : 34 kDaBlocking/Dilution buffer: 5% NFD/MTBST.



#### WB (Western Blot)

All lanes : Anti-SULT1A1 at dilutionLane 1: HepG2 whole cell lysateLane 2: Human lung whole cell lysateLane 3: Human liver whole cell lysateLane 4: Mouse liver whole cell lysateLane 5: Mouse kidney whole cell lysateLane 6: Rat kidney whole cell lysateLysates/proteins at 20 ug per lane.SecondaryGoat Anti-mouse IgG, (H+L), Peroxidase conjugated at 1/10000 dilution.Predicted band size : 34 kDaBlocking/Dilution buffer: 5% NFD/MTBST.



#### WB (Western Blot)

All lanes : Anti-SULT1A1 Antibody at 1:1000 dilutionLane 1: HepG2 whole cell lysateLane 2: human lung lysateLane 3: human liver lysateLane 4: mouse liver lysateLane 5: mouse kidney lysate Lane 6: mouse lung lysate Lane 7: rat brain lysate Lane 8: rat kidney lysate Lane 9: CHO whole cell lysateLysates/proteins at 20 ug per lane.SecondaryGoat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution.Predicted band size : 21 kDaBlocking/Dilution buffer: 5% NFD/MTBST.

ADDITIONAL INFORMATION

|                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|-------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-SULT1A1 antibody | Sulfotransferase that utilizes 3'-phospho-5'-adenylyl sulfate (PAPS) as sulfonate donor to catalyze the sulfate conjugation of catecholamines, phenolic drugs and neurotransmitters. Has also estrogen sulfotransferase activity. responsible for the sulfonation and activation of minoxidil. Is Mediates the metabolic activation of carcinogenic N-hydroxyarylamines to DNA binding products and could so participate as modulating factor of cancer risk. |
| Product Categories/Family for anti-SULT1A1 antibody   | Crown Antibodies; Primary Antibodies; Cancer; Metabolism; Signal Transduction                                                                                                                                                                                                                                                                                                                                                                                 |
| References                                            | Zhu X.,et al.Biochem. Biophys. Res. Commun. 195:120-127(1993).Zhu X.,et al.Biochem. Biophys. Res. Commun. 192:671-676(1993).Wilborn T.W.,et al.Mol. Pharmacol. 43:70-77(1993).Yamazoe Y.,et al.Chem. Biol. Interact. 92:107-117(1994).Hwang S.-R.,et al.Biochem. Biophys. Res. Commun. 207:701-707(1995).                                                                                                                                                     |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                   |
|----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 313104286                                                                                                                                         |
| NCBI GeneID                      | 6817                                                                                                                                              |
| UniProt Accession #              | P50225; Q2NL71; Q86U58; Q92818; Q9BVU6; Q9UGG7                                                                                                    |
| Molecular Weight                 | Calculated MW: 25kDa/34kDa<br>Observe MW: 33kDa                                                                                                   |
| NCBI Official Full Name          | Sulfotransferase 1A1                                                                                                                              |
| 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; ts-PST; P-PST 1; aryl sulfotransferase 1; thermostable phenol sulfotransferase1; phenol-sulfating phenol sulfotransferase 1 |
| 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.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/sult1a1-antibody-clone-2144ct289-81-2-western-blot-elisa/290962>