10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

SULT1C2 Antibody (N-term)
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP2608a

Specification

SULT1C2 Antibody (N-term) - Product Information

Application	**WB,E**
Primary Accession	O75897
Other Accession	NP_006579
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**35520**
Antigen Region	**1-30**

SULT1C2 Antibody (N-term) - Additional Information

Gene ID 27233

Other Names
Sulfotransferase 1C4, ST1C4, 282-, Sulfotransferase 1C2, SULT1C#2, SULT1C4, SULT1C2

Target/Specificity
This SULT1C2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1-30 amino acids from the N-terminal region of human SULT1C2.

Dilution
WB~~1:1000
E~~Use at an assay dependent concentration.

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
SULT1C2 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

SULT1C2 Antibody (N-term) - Protein Information

Name SULT1C4 (HGNC:11457)

Function Sulfotransferase that utilizes 3'-phospho-5'-adenylyl sulfate (PAPS) as sulfonate donor to

catalyze the sulfate conjugation of phenolic compounds. Can also sulfonate estrogenic compounds, however, the dietary flavonoids (phytoestrogen) and environmental estrogens, like bisphenol A are better substrates than 17beta-estradiol (E2) (PubMed:17425406, PubMed:26948952, PubMed:28222028, PubMed:9852044). Mediates the sulfation of doxorubicin and its analog epirubicin, two antitumor anthracyclines (PubMed:26948952).

Cellular Location
Cytoplasm, cytosol.

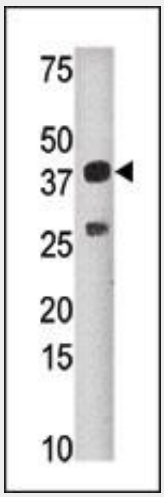
Tissue Location
Expressed at high levels in fetal lung and kidney and at low levels in fetal heart, adult kidney, ovary and spinal cord

SULT1C2 Antibody (N-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

SULT1C2 Antibody (N-term) - Images



Western blot analysis of anti-SULT1C2 Pab (Cat. #AP2608a) in mouse liver tissue lysate (35ug/lane). SULT1C2(arrow) was detected using the purified Pab.

SULT1C2 Antibody (N-term) - Background

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. SULT1C2 belongs to the SULT1 subfamily, responsible for transferring a sulfo moiety from PAPS to phenol-containing compounds. SULT1C2 belongs to a SULT subfamily that shows specificity for hydroxyarylamines. SULT1C2 catalyzes the sulfonation of p-nitrophenol and

N-hydroxy-2-acetylaminofluorene, but not dopamine.

SULT1C2 Antibody (N-term) - References

Mutat. Res. 482 (1-2), 27-40 (2001)
Chem. Biol. Interact. 129 (1-2), 141-170 (2000)
Genomics 65 (2), 157-165 (2000)
J. Biol. Chem. 273 (51), 33929-33935 (1998).
FASEB J. 11 (1), 3-14 (1997.