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SULT1C3 Antibody (C-term) Blocking peptide

Synthetic peptide
Catalog # BP11072b

Specification

SULT1C3 Antibody (C-term) Blocking peptide - Product Information

Primary Accession Q6IMI6

SULT1C3 Antibody (C-term) Blocking peptide - Additional Information

Gene ID 442038

Other Names
Sulfotransferase 1C3, ST1C3, SULT1C3

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

SULT1C3 Antibody (C-term) Blocking peptide - Protein Information

Name SULT1C3

Function
[Isoform 1]: Sulfotransferase that utilizes 3'-phospho-5'- adenylyl sulfate (PAPS) as sulfonate donor. Has sulfotransferase activity towards various substrates, such as bile acids, thyroid hormones and toward xenobiotic compounds such as chloro phenols and hydroxypyrenes. Lithocholic acid appears to be the best substrate among the endogenous compounds tested and 3,3',5,5'-tetrachloro-4,4'- biphenyldiol shows the highest specific activity among the xenobiotic compounds.

Cellular Location
Cytoplasm {ECO:0000250|UniProtKB:Q80VR3}.

Tissue Location
[Isoform 1]: Not detectable in any of the tissues tested.

SULT1C3 Antibody (C-term) Blocking peptide - Protocols

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

- Blocking Peptides

SULT1C3 Antibody (C-term) Blocking peptide - Images

SULT1C3 Antibody (C-term) Blocking peptide - Background

Has low sulphotransferase activity towards various substrates with alcohol groups (in vitro). May catalyze the sulfate conjugation of xenobiotic compounds and endogenous substrates.

SULT1C3 Antibody (C-term) Blocking peptide - References

Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) :Meinl, W., et al. Food Chem. Toxicol. 46(4):1249-1256(2008)Allali-Hassani, A., et al. PLoS Biol. 5 (5), E97 (2007) :Hillier, L.W., et al. Nature 434(7034):724-731(2005)Freimuth, R.R., et al. Pharmacogenomics J. 4(1):54-65(2004)