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UGT2B28 Blocking Peptide(Center)

Synthetic peptide
Catalog # BP19881c

Specification

UGT2B28 Blocking Peptide(Center) - Product Information

Primary Accession	Q9BY64
Other Accession	Q8WN97, O77649, O97951, O75795, P54855, O75310, P36537, O02663, P16662, P06133, NP_444267.1

UGT2B28 Blocking Peptide(Center) - Additional Information

Gene ID 54490

Other Names
UDP-glucuronosyltransferase 2B28, UDPGT 2B28, UGT2B28

Target/Specificity
The synthetic peptide sequence is selected from aa 233-246 of HUMAN UGT2B28

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.

UGT2B28 Blocking Peptide(Center) - Protein Information

Name UGT2B28 (HGNC:13479)

Function
[Isoform 1]: UDP-glucuronosyltransferase (UGT) that catalyzes phase II biotransformation reactions in which lipophilic substrates are conjugated with glucuronic acid to increase the metabolite's water solubility, thereby facilitating excretion into either the urine or bile (PubMed:11300766). Essential for the elimination and detoxification of drugs, xenobiotics and endogenous compounds (PubMed:11300766). Catalyzes the glucuronidation of endogenous steroid hormones such as androgens (androsterone, 3alpha-androstanediol) and estrogens (estradiol, estrone) (PubMed:11300766). Catalyzes the glucuronidation of bile acid substrates, which are natural detergents for dietary lipids absorption (PubMed:11300766). Displays glucuronidation activity toward the phenolic

compounds eugenol (PubMed:11300766).

Cellular Location
Endoplasmic reticulum membrane; Single-pass membrane protein. Cytoplasm, perinuclear region

Tissue Location
Expressed in the liver, breast and kidney.

UGT2B28 Blocking Peptide(Center) - Protocols

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

- Blocking Peptides

UGT2B28 Blocking Peptide(Center) - Images

UGT2B28 Blocking Peptide(Center) - Background

UDPGTs are of major importance in the conjugation and subsequent elimination of potentially toxic xenobiotics and endogenous compounds. This isozyme has glucuronidating capacity with steroid substrates such as 5-beta-androstane 3-alpha,17-beta-diol, estradiol, ADT, eugenol and bile acids. Only isoform 1 seems to be active.

UGT2B28 Blocking Peptide(Center) - References

Setlur, S.R., et al. Cancer Epidemiol. Biomarkers Prev. 19(1):229-239(2010)
Ross, C.J., et al. Nat. Genet. 41(12):1345-1349(2009)
Menard, V., et al. Hum. Mutat. 30(9):1310-1319(2009)
Levesque, E., et al. Biochemistry 40(13):3869-3881(2001)