

UGT2B28 Blocking Peptide(Center)
Synthetic peptide
Catalog # BP19881c**Specification**

UGT2B28 Blocking Peptide(Center) - Product InformationPrimary Accession
Other Accession[O9BY64](#)
[O8WN97](#), [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)