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UGT2B15 Antibody (Center) Blocking peptide
Synthetic peptide
Catalog # BP12375c

Specification

UGT2B15 Antibody (Center) Blocking peptide - Product Information

Primary Accession P54855

UGT2B15 Antibody (Center) Blocking peptide - Additional Information

Gene ID 7366

Other Names
UDP-glucuronosyltransferase 2B15, UDPGT 2B15, HLUG4, UDP-glucuronosyltransferase 2B8, UDPGT 2B8, UDPGTh-3, UGT2B15, UGT2B8

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.

UGT2B15 Antibody (Center) Blocking peptide - Protein Information

Name UGT2B15 (HGNC:12546)

Function
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:7835232, PubMed:9295060, PubMed:16595710, PubMed:18719240, PubMed:23288867). Essential for the elimination and detoxification of drugs, xenobiotics and endogenous compounds (PubMed:7835232). Catalyzes the glucuronidation of endogenous steroid hormones such as androgens (testosterone, androsterone) and estrogens (estradiol, epiestradiol, estriol, catechol estrogens) (PubMed:7835232, PubMed:9295060, PubMed:16595710, PubMed:18719240, PubMed:23288867). Displays

glucuronidation activity toward several classes of xenobiotic substrates, including phenolic compounds (eugenol, 4-nitrophenol, 4- hydroxybiphenyl) and phenylpropanoids (naringenin, coumarins) (PubMed:7835232). Catalyzes the glucuronidation of monoterpenoid alcohols such as borneol, menthol and isomenthol, a class of natural compounds used in essential oils (By similarity).

Cellular Location
Endoplasmic reticulum membrane; Single-pass membrane protein

Tissue Location
Expressed in many tissues. Present in liver, prostate and testis.

UGT2B15 Antibody (Center) Blocking peptide - Protocols

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

- Blocking Peptides

UGT2B15 Antibody (Center) Blocking peptide - Images

UGT2B15 Antibody (Center) Blocking peptide - Background

The UGTs are of major importance in the conjugation andsubsequent elimination of potentially toxic xenobiotics andendogenous compounds. UGT2B8 demonstrates reactivity with estriol.See UGT2B4 (MIM 600067).

UGT2B15 Antibody (Center) Blocking peptide - References

Yong, M., et al. Cancer Epidemiol. Biomarkers Prev. 19(2):537-546(2010)Sun, C., et al. Hum. Mutat. 31(1):99-107(2010)Ross, C.J., et al. Nat. Genet. 41(12):1345-1349(2009)He, X., et al. Br J Clin Pharmacol 68(5):721-730(2009)Holmes, M.V., et al. PLoS ONE 4 (12), E7960 (2009) :