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UGT2B28 Antibody(Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP19881c

Product Information

Application	WB, E
Primary Accession	Q9BY64
Other Accession	Q8WN97, O77649, O97951, O75795, P54855, O75310, P36537, O02663, P16662, P06133, NP_444267.1
Reactivity	Human
Predicted	Monkey, Mouse, Rat, Bovine, Canine, Rabbit, Chicken
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB41660
Calculated MW	60906
Antigen Region	218-246

Additional Information

Gene ID	54490
Other Names	UDP-glucuronosyltransferase 2B28, UDPGT 2B28, UGT2B28
Target/Specificity	This UGT2B28 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 218-246 amino acids from the Central region of human UGT2B28.
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 purified through a protein A column, followed by peptide affinity purification.
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	UGT2B28 Antibody(Center) is for research use only and not for use in diagnostic or therapeutic procedures.

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.

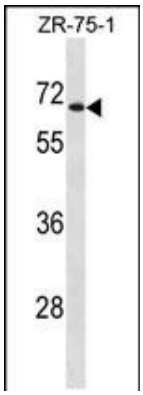
Background

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.

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)

Images



UGT2B28 Antibody (Center) (Cat. #AP19881c) western blot analysis in ZR-75-1 cell line lysates (35ug/lane).This demonstrates the UGT2B28 antibody detected the UGT2B28 protein (arrow).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.