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UGT2B4 Antibody (Center)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP21593c

Product Information

Application	WB, E
Primary Accession	P06133
Reactivity	Human
Predicted	Mouse, Rat, Canine, Rabbit
Host	Rabbit
Clonality	polyclonal
Isotype	Rabbit IgG
Clone Names	RB53182
Calculated MW	60513

Additional Information

Gene ID	7363
Other Names	UDP-glucuronosyltransferase 2B4, UDPGT 2B4, HLUG25, Hyodeoxycholic acid-specific UDPGT, UDPGTh-1, UGT2B4, UGT2B11
Target/Specificity	This UGT2B4 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 338-370 amino acids from the Central region of human UGT2B4.
Dilution	WB~~1:2000 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	UGT2B4 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	UGT2B4 (HGNC:12553)
Synonyms	UGT2B11
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:18719240, PubMed:23288867). Essential for the elimination and detoxification of drugs, xenobiotics and endogenous compounds (PubMed:18719240, PubMed:23288867). Catalyzes the glucuronidation of the endogenous estrogen hormones such as estradiol and estriol (PubMed:18719240, PubMed:23288867).
Cellular Location	Endoplasmic reticulum membrane; Single-pass membrane protein

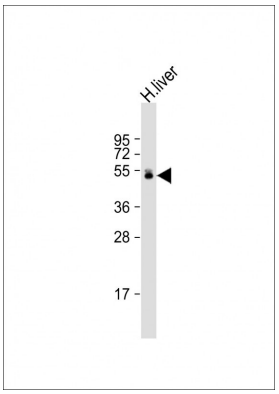
Background

UDPGTs are of major importance in the conjugation and subsequent elimination of potentially toxic xenobiotics and endogenous compounds. This isozyme is active on polyhydroxylated estrogens (such as estriol, 4-hydroxyestrone and 2-hydroxyestriol) and xenobiotics (such as 4-methylumbelliferone, 1-naphthol, 4- nitrophenol, 2-aminophenol, 4-hydroxybiphenyl and menthol). It is capable of 6 alpha-hydroxyglucuronidation of hyodeoxycholic acid.

References

Jackson M.R.,et al.Biochem. J. 242:581-588(1987).
Jin C.-J.,et al.Biochem. Biophys. Res. Commun. 194:496-503(1993).
Levesque E.,et al.Pharmacogenetics 9:207-216(1999).
McKenzie P.I.,et al.Submitted (JUL-1998) to the EMBL/GenBank/DDBJ databases.
Riedy M.,et al.Submitted (MAR-1999) to the EMBL/GenBank/DDBJ databases.

Images



Anti-UGT2B4 Antibody (Center)at 1:2000 dilution + human liver lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 61 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

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