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UGT2B4 Rabbit pAb

Catalog # AP98473

Product Information

Application	WB, IHC-P, IHC-F, IF, E
Primary Accession	P06133
Other Accession	P06133
Predicted	Human, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	60513
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human UGT2B4
Epitope Specificity	111-210/528
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the UDP-glycosyltransferase family.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	The UDP-Glucuronosyltransferases (UGT) comprise a family of enzymes that detoxify and enhance the urinary excretion of a wide variety of xenobiotic and endogenous substrates by transferring glucuronic acid to sulfhydryl, hydroxyl, aromatic amino, or carboxylic acid groups. They have been subdivided into two families, UGT1 and UGT2, based on the evolutionary divergence of their genes. The enzymes of the UGT1A family play an important role in the metabolism of dietary constituents, phenols, and therapeutic drugs, and also the glucuronidation of bilirubin and iodothyronines. The enzymes of the UGT2B family are involved in the metabolism of bile acids, phenol derivatives, catecholestrogens and steroids. Although it is widely recognized that the liver is the major site of glucuronidation, it is now clear that UGT enzymes are also found in extra-hepatic tissues.

Additional Information

Gene ID	7363
Other Names	HLUG25; UDPGT2B4; UDPGTH1; UDPGTh-1; UGT2B11; UD2B4_HUMAN; UGT2B4; UDPGT 2B4; Hyodeoxycholic acid-specific UDPGT; 2.4.1.17; UDP glucuronosyltransferase family 2 member B4; UDP glycosyltransferase 2 family, polypeptide B4
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500,ELISA=1:5000-10000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody

is stable for at least two weeks at 2-4 °C.

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

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