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UGT2B11 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP13518b

Product Information

Application	WB, E
Primary Accession	O75310
Other Accession	O97951, P36537, O02663, P16662, NP_001064.1
Reactivity	Human
Predicted	Monkey, Mouse, Rat, Bovine, Canine, Rabbit, Chicken
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB33523
Calculated MW	61038
Antigen Region	429-458

Additional Information

Gene ID	10720
Other Names	UDP-glucuronosyltransferase 2B11, UDPGT 2B11, UGT2B11
Target/Specificity	This UGT2B11 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 429-458 amino acids from the C-terminal region of human UGT2B11.
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	UGT2B11 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	UGT2B11 (HGNC:12545)
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. Exhibits narrow substrate specificity and very low catalytic activity compared to other UGT2B subfamily members (PubMed:8333863, PubMed:9169006, PubMed:9675083). Preferentially glucuronidates catechol estrogens. Also conjugates estriol and 3alpha-hydroxysteroids with activities 30-90 fold lower than UGT2B7. Shows no activity toward testosterone, hyodeoxycholic acid or most drugs. Physiological role remains unclear due to limited substrate range and low catalytic efficiency (PubMed:9675083).
Cellular Location	Microsome membrane; Single-pass membrane protein. Endoplasmic reticulum membrane; Single-pass membrane protein
Tissue Location	Widely expressed..

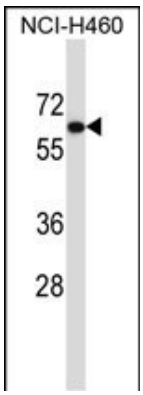
Background

UDPGT is of major importance in the conjugation and subsequent elimination of potentially toxic xenobiotics and endogenous compounds.

References

Li, J., et al. Breast Cancer Res. 12 (2), R19 (2010) :
Ross, C.J., et al. Nat. Genet. 41(12):1345-1349(2009)
Saito, A., et al. J. Hum. Genet. 54(6):317-323(2009)
Beaulieu, M., et al. Biochem. Biophys. Res. Commun. 248(1):44-50(1998)
Jin, C.J., et al. Biochem. Biophys. Res. Commun. 194(1):496-503(1993)

Images



UGT2B11 Antibody (C-term) (Cat. #AP13518b) western blot analysis in NCI-H460 cell line lysates (35ug/lane).This demonstrates the UGT2B11 antibody detected the UGT2B11 protein (arrow).

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