10320 Camino Santa Fe, Suite G
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Tel: 858.875.1900 Fax: 858.875.1999

UGT2B4 Antibody (Center)
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP21593c

Specification

UGT2B4 Antibody (Center) - Product Information

Application	**WB,E**
Primary Accession	P06133
Reactivity	**Human**
Host	**Rabbit**
Clonality	**polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**60513**

UGT2B4 Antibody (Center) - 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

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.

UGT2B4 Antibody (Center) - 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).

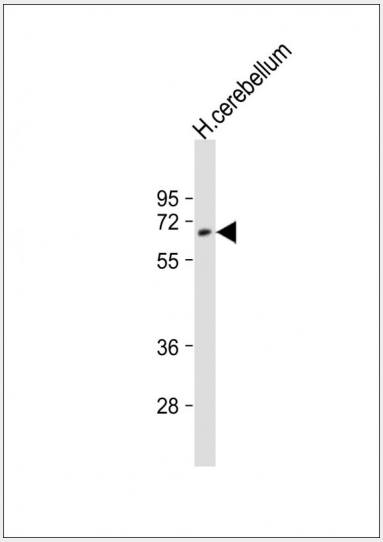
Cellular Location
Endoplasmic reticulum membrane; Single-pass membrane protein

UGT2B4 Antibody (Center) - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

UGT2B4 Antibody (Center) - Images



Anti-UGT2B4 Antibody (Center)at 1:2000 dilution + human cerebellum 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.

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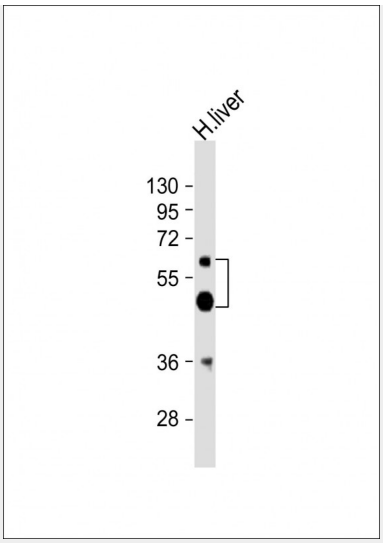

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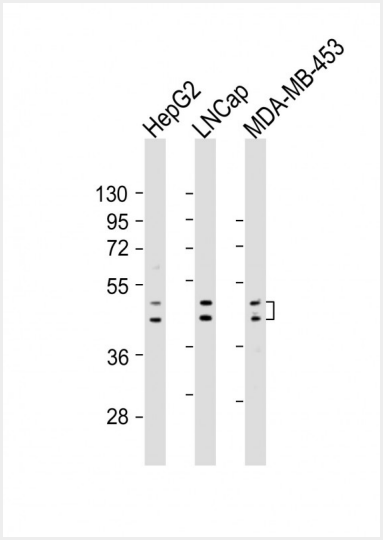

All lanes : Anti-UGT2B4 Antibody (Center) at 1:2000 dilution Lane 1: HepG2 whole cell lysates Lane 2: LNCap whole cell lysates Lane 3: MDA-MB-453 whole cell lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 61 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

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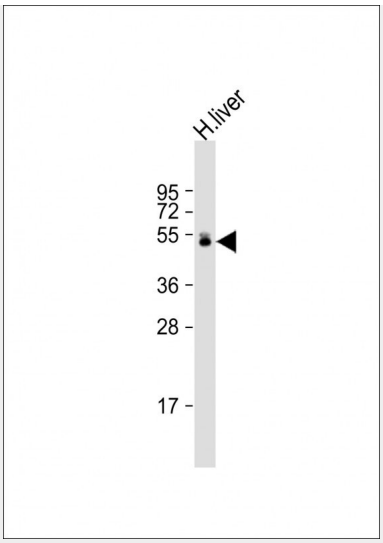

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UGT2B4 Antibody (Center) - Background

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.

UGT2B4 Antibody (Center) - 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.