

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

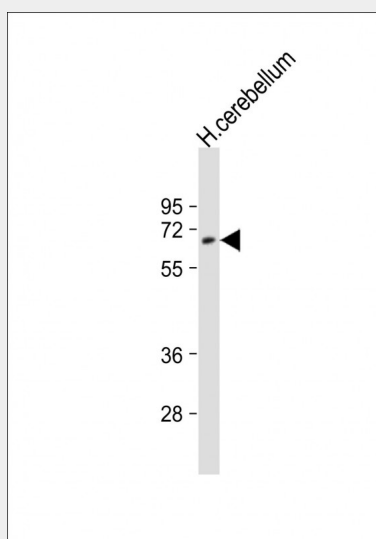
Endoplasmic reticulum membrane; Single-pass membrane protein

UGT2B4 Antibody (Center) - Protocols

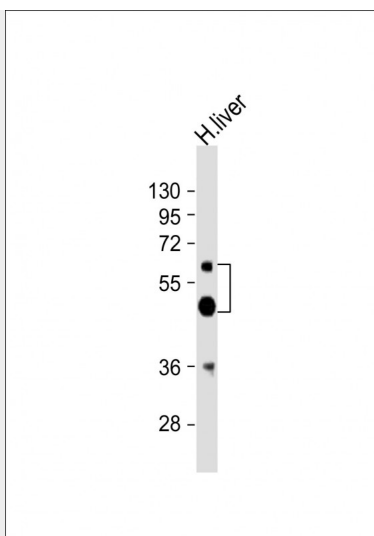
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

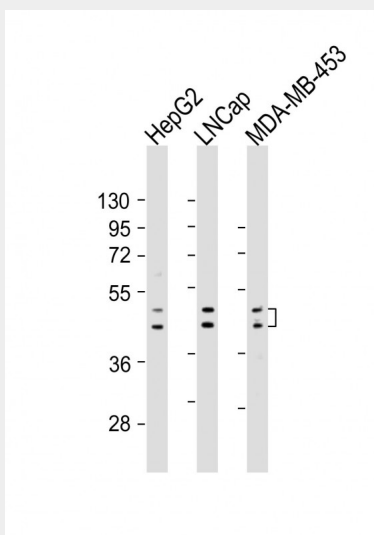
UGT2B4 Antibody (Center) - Images



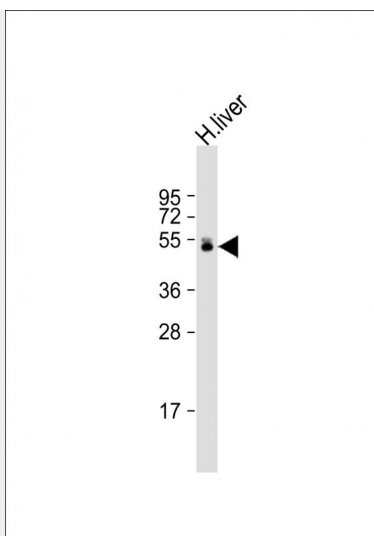
Anti-UGT2B4 Antibody (Center) at 1:2000 dilution + human cerebellum lysates. Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 61 kDa. Blocking/Dilution buffer: 5% NFDM/TBST.



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.



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.



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.

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.