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UGT1A4 antibody - N-terminal region
Rabbit Polyclonal Antibody
Catalog # AI12720

Specification

UGT1A4 antibody - N-terminal region - Product Information

Application	**WB**
Primary Accession	P22310
Other Accession	NM_007120, NP_009051
Reactivity	**Human**
Predicted	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**57kDa KDa**

UGT1A4 antibody - N-terminal region - Additional Information

Gene ID 54657

Alias Symbol	**HUG-BR2, UDPGT, UGT1D, UGT-1D, UGT1.4, UGT1-04, UDPGT 1-4**

Other Names
UDP-glucuronosyltransferase 1-4, UDPGT 1-4, UGT1*4, UGT1-04, UGT1.4, 2.4.1.17, Bilirubin-specific UDPGT isozyme 2, hUG-BR2, UDP-glucuronosyltransferase 1-D, UGT-1D, UGT1D, UDP-glucuronosyltransferase 1A4, UGT1A4, GNT1, UGT1

Format
Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage
Add 50 ul of distilled water. Final anti-UGT1A4 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

Precautions
UGT1A4 antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

UGT1A4 antibody - N-terminal region - Protein Information

Name UGT1A4 (HGNC:12536)

Synonyms GNT1, UGT1

Function
[Isoform 1]: 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:18177842, PubMed:<a

href="http://www.uniprot.org/citations/24641623" target="_blank">24641623). Essential for the elimination and detoxification of drugs, xenobiotics and endogenous compounds (PubMed:18177842). Involved in the glucuronidation of calcidiol, which is the major circulating form of vitamin D3 essential for the regulation of calcium and phosphate homeostasis (PubMed:24641623). Also glucuronidates the biologically active form of vitamin D3, calcitriol, probably leading to its biliary transport and intestinal reabsorption (PubMed:18177842).

Cellular Location
Endoplasmic reticulum membrane; Single-pass membrane protein

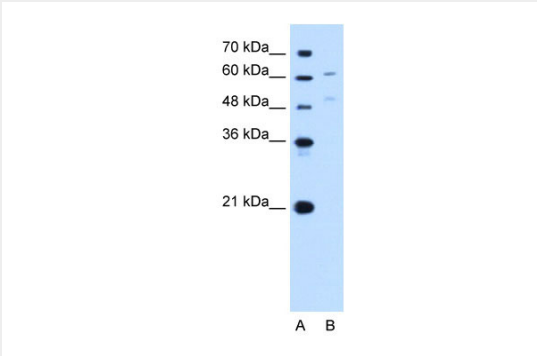
Tissue Location
[Isoform 1]: Expressed in liver (PubMed:1339448, PubMed:18004212). Expressed in kidney, colon and small intestine (PubMed:18004212). Not expressed in esophagus (PubMed:18004212). Not expressed in skin (PubMed:1339448).

UGT1A4 antibody - N-terminal region - 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

UGT1A4 antibody - N-terminal region - Images



WB Suggested Anti-UGT1A4 Antibody Titration: 0.2-1 µg/ml
Positive Control: HepG2 cell lysate

UGT1A4 antibody - N-terminal region - References

Kaku,T.,(2004)Biochem.Pharmacol.67(11),2093-2102ReconstitutionandStorage:Forshorttermuse,storeat2-8Cupto1week.Forlongtermstorage,storeat-20Cinsmallaliquotstopreventfreeze-thawcycles.