

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:18177842)

<http://www.uniprot.org/citations/24641623> target="_blank">24641623, PubMed:15231852). 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). Involved in the glucuronidation of arachidonic acid (AA) and AA-derived eicosanoids including 15-HETE, 20-HETE and PGB1 (PubMed:15231852).

Cellular Location

Endoplasmic reticulum membrane; Single-pass membrane protein

Tissue Location

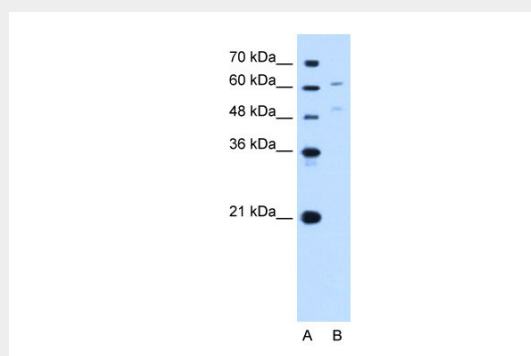
[Isoform 1]: Expressed in liver (PubMed:1339448, PubMed:18004212). Expressed in kidney, colon and small intestine (PubMed:18004212). Not expressed in esophagus (PubMed:18004212). Not expressed in skin (PubMed:1339448).

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 Cytometry](#)
- [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), 2093-2102 Reconstitution and Storage: For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.