10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

UGT1A6 antibody - C-terminal region
Rabbit Polyclonal Antibody
Catalog # AI11899

Specification

UGT1A6 antibody - C-terminal region - Product Information

Application	**WB, IHC**
Primary Accession	P19224
Other Accession	NM_001072, NP_001063
Reactivity	**Human, Mouse, Rat, Rabbit, Zebrafish, Pig, Sheep, Horse, Bovine, Dog**
Predicted	**Human, Mouse, Rat, Zebrafish, Sheep, Horse, Bovine, Dog**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**58kDa KDa**

UGT1A6 antibody - C-terminal region - Additional Information

Gene ID 54578

Alias Symbol	**GNT1, HLUGP, HLUGP1, MGC29860, UDPGT, UGT1, UGT1F, UGT1A6S, UDPGT 1-6**

Other Names
UDP-glucuronosyltransferase 1-6, UDPGT 1-6, UGT1*6, UGT1-06, UGT1.6, 2.4.1.17, Phenol-metabolizing UDP-glucuronosyltransferase, UDP-glucuronosyltransferase 1-F, UGT-1F, UGT1F, UDP-glucuronosyltransferase 1A6, UGT1A6, 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-UGT1A6 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
UGT1A6 antibody - C-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

UGT1A6 antibody - C-terminal region - Protein Information

Name UGT1A6 (HGNC:12538)

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 facilitate their inactivation and

excretion from the body (PubMed:15231852, PubMed:21422672). Essential for the elimination and detoxification of drugs, xenobiotics and endogenous compounds (PubMed:15231852, PubMed:21422672). Involved in the glucuronidation of arachidonic acid (AA) and AA-derived eicosanoids including 15-HETE and 20-HETE (PubMed:15231852). Conjugates small planar phenolic molecules such as 4-nitrophenol, 1-naphthol, and 4- methylumbelliferone. The bulky phenol 4-hydroxybiphenyl, androgens and estrogens are not substrates. 2-hydroxybiphenyl is an excellent substrate (By similarity). Involved in the glucuronidation of the phytochemical ferulic acid at the phenolic or the carboxylic acid group (PubMed:21422672).

Cellular Location
Microsome. Endoplasmic reticulum membrane; Single-pass membrane protein

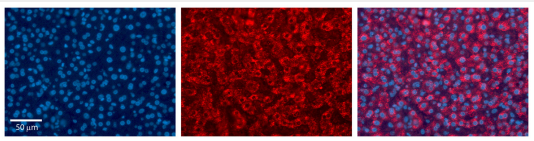
Tissue Location
Expressed in skin. Isoforms 1 and 3 are expressed in kidney and liver. Isoform 1 but not isoform 2 is expressed in colon, esophagus and small intestine.

UGT1A6 antibody - C-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

UGT1A6 antibody - C-terminal region - Images



UGT1A6 antibody - C-terminal region (AI11899)
Formalin Fixed Paraffin Embedded Tissue: Human Liver Tissue Observed Staining: Cytoplasm in hepatocytes
Primary Antibody
Concentration: 1:100 Other Working Concentrations: 1/600
Secondary Antibody: Donkey anti-Rabbit-Cy3
Secondary Antibody
Concentration: 1:200
Magnification: 20X
Exposure Time: 0.5 - 2.0 sec

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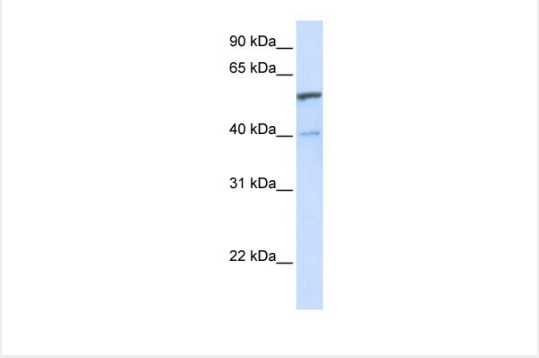

WB Suggested Anti-UGT1A6 Antibody Titration: 0.2-1 µg/ml
ELISA Titer: 1:1562500
Positive Control: 293T cell lysate