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UGT1A6 antibody - C-terminal region

Rabbit Polyclonal Antibody
Catalog # AI11899

Product Information

Application	WB, IHC
Primary Accession	P19224
Other Accession	NM_001072, NP_001063
Reactivity	Human, Mouse, Rat, Rabbit, Zebrafish, Pig, Dog, Horse, Bovine, Sheep
Predicted	Human, Mouse, Rat, Zebrafish, Dog, Horse, Bovine, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	60751

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.

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).

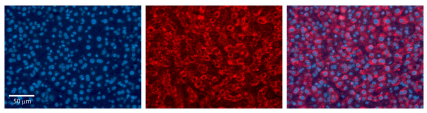
Cellular Location

Microsome. Endoplasmic reticulum membrane; Single-pass membrane protein

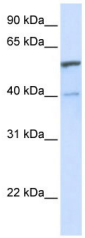
Tissue Location

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.

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



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

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.