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UGT1A5 antibody - N-terminal region

Rabbit Polyclonal Antibody
Catalog # AI13024

Product Information

Application	WB
Primary Accession	P35504
Other Accession	NM_019078, NP_061951
Reactivity	Human, Rat
Predicted	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	60071

Additional Information

Gene ID	54579
Alias Symbol	UDPGT, UGT1E, UDPGT 1-5
Other Names	UDP-glucuronosyltransferase 1-5, UDPGT 1-5, UGT1*5, UGT1-05, UGT1.5, 2.4.1.17, UDP-glucuronosyltransferase 1-E, UGT-1E, UGT1E, UDP-glucuronosyltransferase 1A5, UGT1A5, 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-UGT1A5 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	UGT1A5 antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

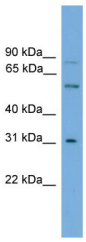
Name	UGT1A5 (HGNC:12537)
Synonyms	GNT1, UGT1
Function	[Isoform 1]: UDP-glucuronosyltransferase (UGT) that catalyzes phase II biotransformation reactions in which lipophilic substrates are conjugated with glucuronic acid to increase the metabolite's water solubility, thereby facilitating excretion into either the urine or bile (PubMed:18674515). Essential for the elimination and detoxification of drugs, xenobiotics and endogenous compounds (PubMed:18674515). Involved in the glucuronidation of the AGTR1 angiotensin receptor antagonist zolarsatan, a drug which can

	inhibit the effect of angiotensin II (PubMed:18674515).
Cellular Location	Endoplasmic reticulum membrane {ECO:0000250|UniProtKB:P22309}; Single-pass membrane protein
Tissue Location	Isoform 1 and isoform 2 are expressed in colon and small intestine. Neither isoform is expressed in liver, kidney or esophagus.

References

Ritter J.K.,et al.J. Biol. Chem. 267:3257-3261(1992).
Gong Q.H.,et al.Pharmacogenetics 11:357-368(2001).
Hillier L.W.,et al.Nature 434:724-731(2005).
Guillemette C.,et al.Submitted (JAN-2006) to the EMBL/GenBank/DDBJ databases.
Girard H.,et al.Pharmacogenet. Genomics 17:1077-1089(2007).

Images



WB Suggested Anti-UGT1A5 Antibody Titration: 0.2-1 µg/ml
Positive Control: HT1080 cell lysate

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