

Rabbit anti-Human, Mouse UGT1A4 Polyclonal Antibody | anti-UGT1A4 antibody

UGT1A4 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA327091	Rabbit	Human, Mouse	ELISA, Immunohistochemistry, Western Blot

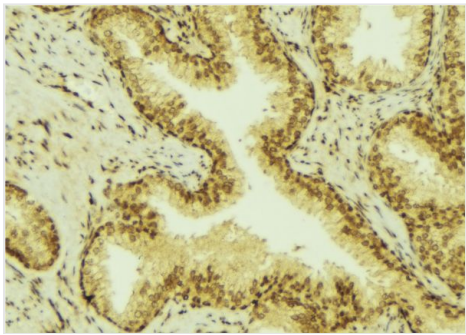
PRODUCT SYNONYMS

UGT1A4; Polyclonal Antibody; UGT1A4 Antibody; Bilirubin UDP glucuronosyltransferase isozyme 2; Bilirubin-specific UDPGT isozyme 2; HUG-BR2; UD14_HUMAN; UDP glucuronosyltransferase 1 family polypeptide A4; UDP glycosyltransferase 1 family polypeptide A4; UDP-glucuronosyltransferase 1-4; UDP-glucuronosyltransferase 1-D; UDP-glucuronosyltransferase 1A4; UDPGT 1-4; UDPGT; UGT-1D; UGT1*4; UGT1-04; UGT1.4; UGT1D; anti-UGT1A4 antibody

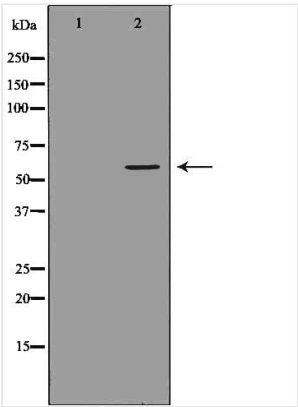
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	UGT1A4 antibody detects endogenous levels of total UGT1A4
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	534
Applicable Applications for anti-UGT1A4 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human UGT1A4
Subcellular Location	Microsome. Endoplasmic Reticulum Membrane.
Tissue Specificity	Isoform 1 and isoform 2 are expressed in liver, kidney, colon and small intestine. Isoform 2 but not isoform 1 is expressed in esophagus. Not expressed in skin.
Predicted Cross Reactivity	Sheep
Similarity	Sheep (83%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)
AAA327091 at 1/100 staining Mouse colon tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)
Western blot analysis of HepG2 cell lysate, using UGT1A4 Antibody. The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-UGT1A4 antibody	Description: This gene encodes a UDP-glucuronosyltransferase, an enzyme of the glucuronidation pathway that transforms small lipophilic molecules, such as steroids, bilirubin, hormones, and drugs, into water-soluble, excretable metabolites. This gene is part of a complex locus that encodes several UDP-glucuronosyltransferases. The locus includes thirteen unique alternate first exons followed by four common exons. Four of the alternate first exons are considered pseudogenes. Each of the remaining nine 5' exons may be spliced to the four common exons, resulting in nine proteins with different N-termini and identical C-termini. Each first exon encodes the substrate binding site, and is regulated by its own promoter. This enzyme has some glucuronidase activity towards bilirubin, although is more active on amines, steroids, and sapogenins. Function: UDPGT is of major importance in the conjugation and subsequent elimination of potentially toxic xenobiotics and endogenous compounds. This isoform glucuronidates bilirubin IX-alpha to form both the IX-alpha-C8 and IX-alpha-C12 monoconjugates and diconjugate. Isoform 2 lacks transferase activity but acts as a negative regulator of isoform 1 (By similarity). Subunit Structure: Isoform 1 interacts with isoform 2/i2 suggesting that oligomerization is involved in negative regulation of transferase activity by isoform 2. Isoform 1 also interacts with respective i2 isoforms of UGT1A1, UGT1A3, UGT1A6, UGT1A7, UGT1A8, UGT1A9 and UGT1A10. Similarity: Belongs to the UDP-glycosyltransferase family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	6005930
NCBI GeneID	54657
NCBI Accession #	NP_009051.1
NCBI GenBank Nucleotide #	NM_007120.2
UniProt Accession #	P22310; Q5DT00; B2R937; B8K288
Molecular Weight	Observed: 60 kDa Predicted: 61 kDa
NCBI Official Full Name	UDP-glucuronosyltransferase 1-4
NCBI Official Synonym Full Names	UDP glucuronosyltransferase family 1 member A4
NCBI Official Symbol	UGT1A4
NCBI Official Synonym Symbols	GNT1; UGT1; UDPGT; UGT1A; UGT1D; UGT-1A; UGT-1D; UGT1.1; UGT1.4; UGT1A1; HUG-BR2; UGT1-01; UGT1-04; UGT1A4S; hUG-BR1; UDPGT 1-4
NCBI Protein Information	UDP-glucuronosyltransferase 1-4

UniProt Protein Name	UDP-glucuronosyltransferase 1-4
UniProt Gene Name	UGT1A4
UniProt Synonym Gene Names	GNT1; UGT1; UDPGT 1-4; UGT1*4; UGT1-04; UGT1.4; hUG-BR2; UGT-1D; UGT1D

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/ugt1a4-antibody-immunohistochemistry-western-blot-elisa/327091>