

Rabbit UGT1A1 Polyclonal Antibody | anti-UGT1A1 antibody

UGT1A1 Antibody

CATALOG # AAA234610	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunofluorescence, Immunohistochemistry, Western Blot, ELISA
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PRODUCT SYNONYMS

UGT1A1; Polyclonal Antibody; UGT1A1 Antibody; UDP-glucuronosyltransferase 1-1; UDPGT 1-1; UGT1*1; UGT1-01; UGT1.1; Bilirubin-specific UDPGT isozyme 1; hUG-BR1; UDP-glucuronosyltransferase 1-A; UGT-1A; UGT1A; UDP-glucuronosyltransferase 1A1; GNT1; UGT1; anti-UGT1A1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	>95%, Protein G purified
Form/Format	Liquid
Sequence Length	533
Applicable Applications for anti-UGT1A1 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot), ELISA
Immunogen	Recombinant Human UDP-glucuronosyltransferase 1-1 protein (395-482AA)
Conjugation	Non-conjugated
Buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, pH 7.4
Preparation and Storage	Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze.

IMAGES



IHC (Immunohistochemistry)

Immunofluorescence staining of HepG2 cells with AAA234610 at 1:100, counter-stained with DAPI. The cells were fixed in 4% formaldehyde, permeabilized using 0.2% Triton X-100 and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4 degree C. The secondary antibody was Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG (H+L).



IHC (Immunohistochemistry)

IHC image of AAA234610 diluted at 1:300 and staining in paraffin-embedded human liver tissue performed on a Leica BondTM system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4 degree C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.



WB (Western Blot)

Western BlotPositive WB detected in: HepG2 whole cell lysate, SH-SY5Y whole cell lysate, PC3 whole cell lysate, Rat liver tissue, Mouse liver tissueAll lanes: UGT1A1 antibody at 4.2ug/mlSecondaryGoat polyclonal to rabbit IgG at 1/50000 dilutionPredicted band size: 60, 50 KDaObserved band size: 60 KDa

ADDITIONAL INFORMATION

Related Product Information for anti-UGT1A1 antibody	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. Is also able to catalyze the glucuronidation of 17beta-estradiol, 17alpha-ethinylestradiol, 1-hydroxypyrene, 4-methylumbelliferone, 1-naphthol, paranitrophenol, scopoletin, and umbelliferone. Isoform 2 lacks transferase activity but acts as a negative regulator of isoform 1.
Product Categories/Family for anti-UGT1A1 antibody	Metabolism

NCBI AND UNIPROT INFORMATION

NCBI GI #	8850236
NCBI GeneID	54658
NCBI Accession #	NP_000454.1
NCBI GenBank Nucleotide #	NM_000463.2
UniProt Accession #	P22309; A6NJC3; B8K286
Molecular Weight	49,368 Da
NCBI Official Full Name	UDP-glucuronosyltransferase 1-1
NCBI Official Synonym Full Names	UDP glucuronosyltransferase family 1 member A1
NCBI Official Symbol	UGT1A1
NCBI Official Synonym Symbols	GNT1; UGT1; UDPGT; UGT1A; HUG-BR1; BILIQTL1; UDPGT 1-1
NCBI Protein Information	UDP-glucuronosyltransferase 1-1
UniProt Protein Name	UDP-glucuronosyltransferase 1-1
UniProt Gene Name	UGT1A1
UniProt Synonym Gene Names	GNT1; UGT1; UDPGT 1-1; UGT1*1; UGT1-01; UGT1.1; hUG-BR1; UGT-1A; UGT1A

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/ugt1a1-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/234610>