Rabbit anti-Human UGT1A1 Monoclonal Antibody | anti-UGT1A1 antibody

UGT1A1 Rabbit mAb

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA282993	**Rabbit**	**Human**	**ELISA, Immunocytochemistry, Immunofluorescence**

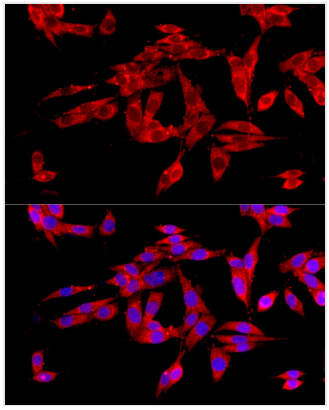
PRODUCT SYNONYMS

UGT1A1; Monoclonal Antibody; UGT1A1 Rabbit mAb; GNT1; UGT1; UDPGT; UGT1A; HUG-BR1; BILIQTL1; UDPGT 1-1; anti-UGT1A1 antibody

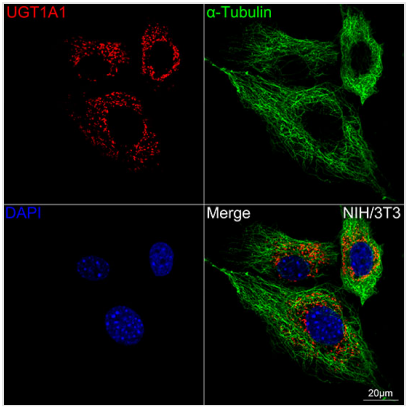
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.05% proclin300, 0.05% BSA, 50% glycerol, pH7.3.
Sequence	FENDSFLQRV IKTYKKIKKD SAMLLSGCSH LLHNKELMAS LAESSFDVML TDPFLPCSPI VAQYLSLPTV FFLHALPCSL EFEATQCPNP FSYVPRPLSS H
Applicable Applications for anti-UGT1A1 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence)
Cross Reactivity	Mouse, Rat
Immunogen	A synthetic peptide corresponding to a sequence within amino acids 100-200 of humanUGT1A1 (NP_000454.1).
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



IF (Immunofluorescence)
Immunofluorescence analysis of PC-12 cells using UGT1A1 Rabbit mAb (AAA282993) at dilution of 1 : 200 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



ICC (Immunocytochemistry)
Confocal imaging of NIH/3T3 cells using UGT1A1 Rabbit mAb (AAA282993, dilution 1:200) (Red). The cells were counterstained with ?-Tubulin Mouse mAb (AC012, dilution 1:400) (Green). DAPI was used for nuclear staining (Blue). Objective: 60x.

ADDITIONAL INFORMATION

Related Product Information for anti-UGT1A1 antibody	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. The preferred substrate of this enzyme is bilirubin, although it also has moderate activity with simple phenols, flavones, and C18 steroids. Mutations in this gene result in Crigler-Najjar syndromes types I and II and in Gilbert syndrome.
Product Categories/Family for anti-UGT1A1 antibody	Signal Transduction; Endocrine Metabolism; Drug metabolism; Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	8850236
NCBI GeneID	54658
NCBI Accession #	NP_000454.1
NCBI GenBank Nucleotide #	NM_000463.2
UniProt Accession #	P22309
Molecular Weight	Calculated MW: 60kDa
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
UniProt Entry Name	UD11_HUMAN

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://www.aaabiotech.com/monoclonal/ugt1a1-antibody-immunocytochemistry-immunofluorescence-elisa/282993