info@arigobio.com

ARG45170
anti-UGT1A6 antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes UGT1A6
Tested Reactivity	Hu
Tested Application	ICC/IF, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Target Name	UGT1A6
Species	Human
Immunogen	Recombinant protein containing to human UGT1A6.
Conjugation	Un-conjugated
Alternate Names	UDP-glucuronosyltransferase 1-5; UDPGT 1-5; UGT1*5; UGT1-05; UGT1.5; UDP-glucuronosyltransferase 1-E; UGT-1E; UGT1E; UDP-glucuronosyltransferase 1A5; UGT1A5; GNT1; UGT1

Application Instructions

Application table

Application	Dilution
ICC/IF	2 µg/ml
WB	0.25-0.5 µg/ml

Application Note: * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Observed Size: 55-61 kDa

Properties

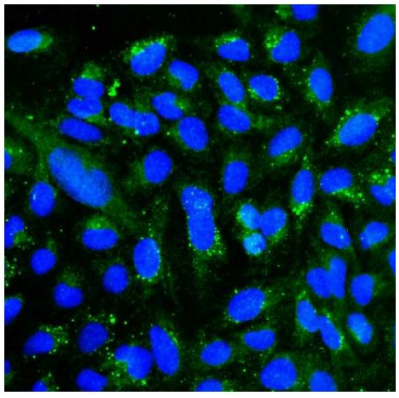
Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	0.2% Na2HPO4, 0.9% NaCl, 0.05% Sodium azide and 4% Trehalose.
Preservative	0.05% Sodium azide
Stabilizer	4% Trehalose
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	UGT1A6
Gene Full Name	UDP glucuronosyltransferase family 1 member A6
Background	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 enzyme encoded by this gene is active on phenolic and planar compounds. Alternative splicing in the unique 5' end of this gene results in two transcript variants. [provided by RefSeq, Jul 2008]
Function	UDPGT is of major importance in the conjugation and subsequent elimination of potentially toxic xenobiotics and endogenous compounds. This isoform has specificity for phenols. Isoform 3 lacks transferase activity but acts as a negative regulator of isoform 1. [UniProt]
Calculated Mw	61 kDa
PTM	. [UniProt]
Cellular Localization	Cell membrane; Endoplasmic reticulum membrane. [UniProt]

Images



ARG45170 anti-UGT1A6 antibody ICC/IF image

Immunofluorescence: U2OS stained with ARG45170 anti-UGT1A6 antibody at 2 ug/ml dilution.

ARG45170 anti-UGT1A6 antibody WB image

Western blot: HEK293 stained with ARG45170 anti-UGT1A6 antibody at 0.5 µg/ml dilution.