

UGT1A1 Rabbit mAb

Catalog No.: A22995 **Recombinant**

Basic Information

Observed MW

Refer to figures

Calculated MW

60kDa

Category

Primary antibody

Applications

ELISA,IF/ICC

Cross-Reactivity

Mouse, Rat

CloneNo number

ARC57750

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 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.

Recommended Dilutions

IF/ICC 1:50 - 1:200

Immunogen Information

Gene ID

54658

Swiss Prot

P22309

Immunogen

A synthetic peptide corresponding to a sequence within amino acids 100-200 of humanUGT1A1 (NP_000454.1).

Synonyms

GNT1; UGT1; UDPGT; UGT1A; HUG-BR1; BILIQTL1; UDPGT 1-1; UGT1A1

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

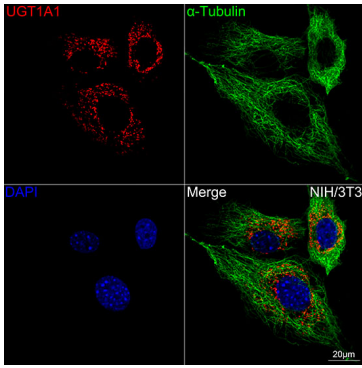
Affinity purification

Storage

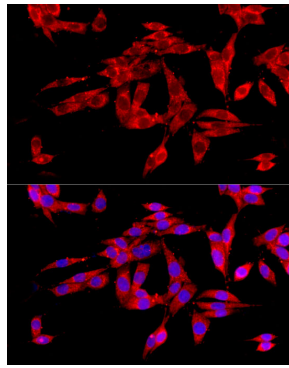
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.05% proclin300,0.05% BSA,50% glycerol,pH7.3.

Validation Data



Confocal imaging of NIH/3T3 cells using UGT1A1 Rabbit mAb (A22995, dilution 1:200) (Red). The cells were counterstained with α -Tubulin Mouse mAb (AC012, dilution 1:400) (Green). DAPI was used for nuclear staining (Blue). Objective: 60x.



Immunofluorescence analysis of PC-12 using UGT1A1 antibody (A22995) at dilution of 1 : 200 (40x lens). Blue: DAPI for nuclear staining.