

UGT1A6 Rabbit pAb

Catalog No.: A17166

Basic Information

Observed MW

70kDa

Calculated MW

61kDa

Category

Primary antibody

Applications

ELISA,WB,IF/ICC

Cross-Reactivity

Human, Mouse, Rat

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.

Recommended Dilutions

WB	1:500 - 1:2000
IF/ICC	1:50 - 1:100

Immunogen Information

Gene ID

54578

Swiss Prot

P19224

Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 65-270 of human UGT1A6 (NP_001063.2).

Synonyms

GNT1; UGT1; HLUGP; UDPGT; UGT1A; UGT1C; UGT1E; UGT1F; HLUGP1; UGT-1A; UGT-1C; UGT-1E; UGT-1F; UGT1.1; UGT1.3; UGT1.5; UGT1.6; UGT1A1; UGT1A3; UGT1A5; UGT1-01; UGT1-03; UGT1-05; UGT1-06; UGT1A6S; hUG-BR1; UDPGT 1-6; UGT1A6

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

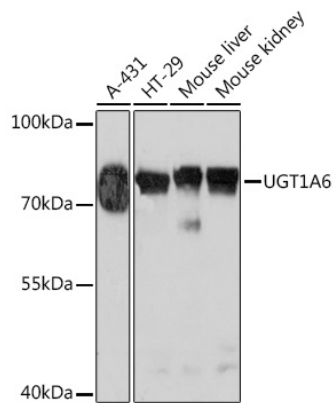
Affinity purification

Storage

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

Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.

Validation Data



Western blot analysis of extracts of various cell lines, using UGT1A6 Rabbit pAb (A17166) at 1:1000 dilution.

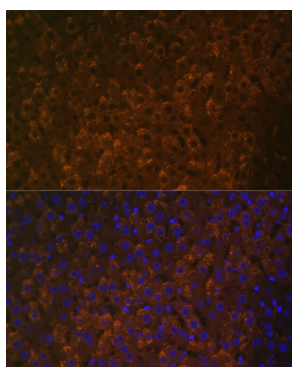
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

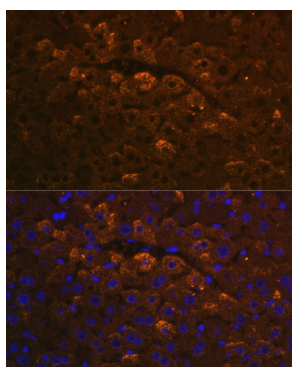
Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 90s.



Immunofluorescence analysis of rat liver using UGT1A6 antibody (A17166) at dilution of 1:100. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of mouse liver using UGT1A6 antibody (A17166) at dilution of 1:100. Blue: DAPI for nuclear staining.