

UGT1A1 Rabbit Polyclonal Antibody



CAB6186

Product Information

Size:

20uL, 50uL, 100uL, 200uL

Observed MW:

60kDa

Calculated MW:

49kDa/59kDa

Applications:

WB IHC IF

Reactivity:

Human, Mouse, Rat

Antibody Information

Recommended dilutions:

WB 1:500 - 1:2000 IHC 1:50
- 1:200 IF 1:50 - 1:200

Source:

Rabbit

Isotype:

IgG

Purification:

Affinity purification

Protein 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.

Immunogen information

Gene ID:

54658

Uniprot

P22309

Synonyms:

UGT1A1; BILIQTL1; GNT1; HUG-BR1; UDPGT; UDPGT 1-1; UGT1;
UGT1A; UDPGT1-1

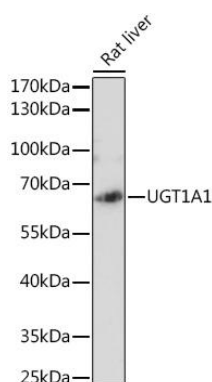
Immunogen:

Recombinant fusion protein containing a sequence corresponding to amino acids 1-200 of human UGT1A1 (NP_000454.1).

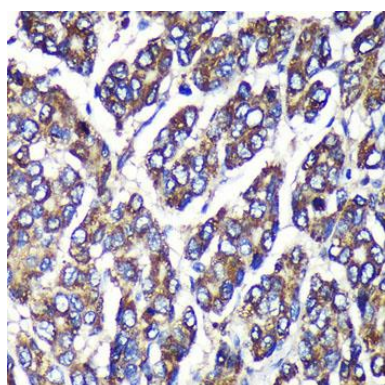
Storage:

Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

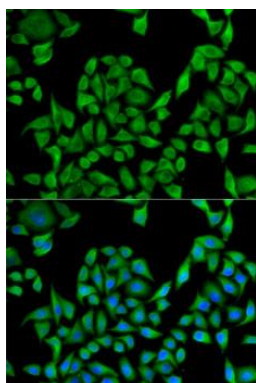
Product Images



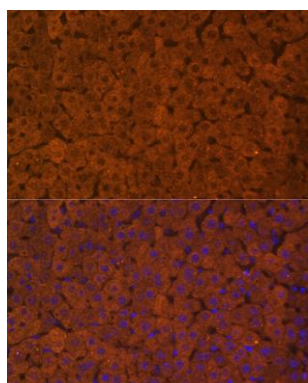
Western blot analysis of extracts of Rat liver, using UGT1A1 Rabbit pAb (CAB6186) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (CABM00020). Exposure time: 1s.



Immunohistochemistry of paraffin-embedded Human liver cancer using UGT1A1 Rabbit pAb (CAB6186) at dilution of 1:100 (40x lens).



Immunofluorescence analysis of U2OS cells using UGT1A1 antibody (CAB6186). Blue: DAPI for nuclear staining.



Immunofluorescence analysis of Rat liver using UGT1A1 antibody (CAB6186) at dilution of 1:100. Blue: DAPI for nuclear staining.