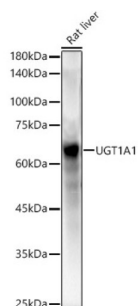
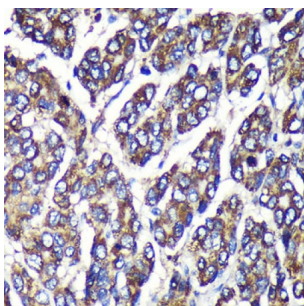


## UDP-Glucuronosyltransferase 1-1 (UGT1A1) Antibody

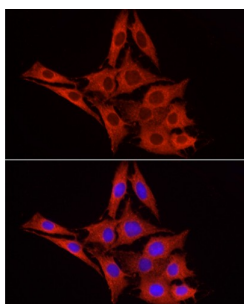
Catalogue No.: abx004726



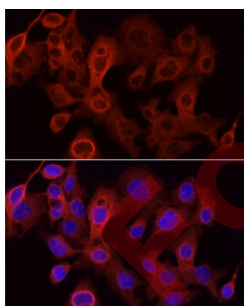
Western blot analysis of lysates from Rat liver, using UGT1A1 Antibody at 1/2000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) at 1/10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Exposure time: 20s.



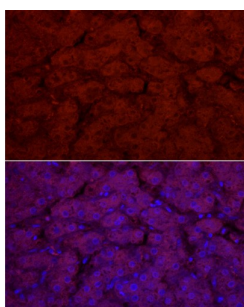
Immunohistochemistry analysis of paraffin-embedded Human liver cancer using UGT1A1 Antibody at dilution of 1/100 (40x lens). Microwave antigen retrieval performed in 0.01 M PBS Buffer (pH 7.2) prior to IHC staining.



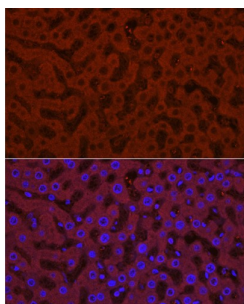
Immunofluorescence analysis of C6 cells using UGT1A1 Antibody at dilution of 1/100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) at 1/500 dilution. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of HepG2 cells using UGT1A1 Antibody at dilution of 1/100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) at 1/500 dilution. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of paraffin-embedded human liver using UGT1A1 Antibody at dilution of 1/100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) at 1/500 dilution. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of paraffin-embedded rat liver using UGT1A1 Antibody at dilution of 1/100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) at 1/500 dilution. Blue: DAPI for nuclear staining.

UGT1A1 Antibody is a Rabbit Polyclonal antibody against UGT1A1. 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.

|                               |   |
|-------------------------------|---|
| <b>Target:</b>                | UDP-Glucuronosyltransferase 1-1 (UGT1A1)  |
| <b>Clonality:</b>             | Polyclonal  |
| <b>Reactivity:</b>            | Human, Mouse, Rat   |
| <b>Tested Applications:</b>   | ELISA, WB, IHC, IF/ICC  |
| <b>Host:</b>                  | Rabbit  |
| <b>Recommended dilutions:</b> | ELISA: 1 µg/ml, WB: 1/1000 - 1/5000, IHC-P: 1/50 - 1/200, IF/ICC: 1/50 - 1/200. Not tested in IHC-F. Optimal dilutions/concentrations should be determined by the end user. |
| <b>Conjugation:</b>           | Unconjugated  |
| <b>Immunogen:</b>             | Recombinant fusion protein containing a sequence corresponding to amino acids 1-200 of human UGT1A1.  |
| <b>Isotype:</b>               | IgG   |
| <b>Form:</b>                  | Liquid  |
| <b>Purification:</b>          | Purified by affinity chromatography.  |
| <b>Storage:</b>               | Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.  |
| <b>UniProt Primary AC:</b>    | P22309 ( <a href="#">UniProt</a> , <a href="#">ExPASy</a> )   |

# Datasheet

Version: 3.0.0

Revision date: 12 Mar 2025



**Gene Symbol:** UGT1A1

**GeneID:** [54658](#)

**NCBI Accession:** NP\_000454.1

**KEGG:** hsa:54658

**String:** [9606.ENSP00000304845](#)

**Molecular Weight:** Calculated MW: 60 kDa  
Observed MW: 60 kDa

**Buffer:** PBS, pH 7.3, containing 0.09% sodium azide, 50% glycerol.

**Concentration:** > 0.2 mg/ml

**Note:** THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.

For Reference Only