

A22609

Leader in Biomolecular Solutions for Life Science



## UGT1A1 Rabbit mAb

Catalog No.: A22609

Recombinant

### Basic Information

#### Observed MW

50-60kDa

#### Calculated MW

60kDa

#### Category

SMab Recombinant Monoclonal  
Antibody

#### Applications

WB, ELISA

#### Cross-Reactivity

Human, Rat

#### CloneNo number

ARC57754

### 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

**WB** 1:2000 - 1:6000

**ELISA** Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

### Immunogen Information

#### Gene ID

54658

#### Swiss Prot

P22309

#### Immunogen

A synthetic peptide corresponding to a sequence within amino acids 101-200 of human UGT1A1 (NP\_000454.1).

#### Synonyms

GNT1; UGT1; UDPGT; UGT1A; HUG-BR1; BILIQL1; UDPGT 1-1; UGT1A1

### Contact



[www.abclonal.com](http://www.abclonal.com)

### Product Information

#### Source

Rabbit

#### Isotype

IgG

#### Purification

Affinity purification

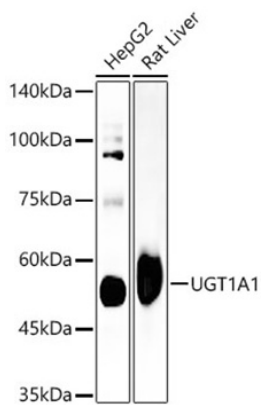
#### Storage

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

Buffer: PBS with 0.09% Sodium azide, 0.05% BSA, 50% glycerol, pH 7.3.

## Validation Data

---



Western blot analysis of various lysates, using UGT1A1 Rabbit mAb (A22609) at 1:4000 dilution.

Secondary antibody: HRP-conjugated 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: 30s.