

Datasheet for ABIN6568068
anti-UGT1A1 antibody



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1 Image

Overview

| | |
|--------------|---------------------------------------|
| Quantity: | 200 µL |
| Target: | UGT1A1 |
| Reactivity: | Human, Mouse, Rat |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This UGT1A1 antibody is un-conjugated |
| Application: | Western Blotting (WB) |

Product Details

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| Immunogen: | Recombinant protein of human UGT1A1 |
| Isotype: | IgG |
| Purification: | Affinity purification |

Target Details

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| Target: | UGT1A1 |
| Alternative Name: | UGT1A1 (UGT1A1 Products) |
| Background: | Synonyms: BILIQTL1,Bilirubin specific UDPGT isozyme 1 ,bilirubin UDP glucuronosyltransferase 1 1 ,bilirubin UDP glucuronosyltransferase isozyme 1 ,Bilirubin-specific UDPGT isozyme 1,EC 2.4.1.17,GNT1,HUG BR1,HUG-BR1,HUGBR1,PHENOL/BILIRUBIN UDP GLUCURONOSYLTRANSFERASE,UD11,UDP glucuronosyltransferase 1 1 [Precursor],UDP glucuronosyltransferase 1 family polypeptide A1 ,UDP glucuronosyltransferase 1A1,UDP |

Target Details

GLYCOSYLTRANSFERASE 1,UDP-glucuronosyltransferase 1-1,UDP-glucuronosyltransferase 1-A,UDP-glucuronosyltransferase 1A1,UDPGT ,UDPGT 1-1,UGT 1A,UGT-1A,UGT1 ,UGT1 01,UGT1*1,UGT1-01,UGT1.1,UGT1A,Ugt1a1,URIDINE DIPHOSPHATE
GLUCURONOSYLTRANSFERASE, BILIRUBIN/PHENOL,URIDINE DIPHOSPHATE
GLYCOSYLTRANSFERASE 1,URIDINE DIPHOSPHATE GLYCOSYLTRANSFERASE 1 FAMILY, POLYPEPTIDE A1

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.

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| Molecular Weight: | Observed_MW: 75kDa Calculated_MW: 49kDa/59kDa |
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| Gene ID: | 54658 |
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| UniProt: | P22309 |
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| Pathways: | Steroid Hormone Biosynthesis, Regulation of Lipid Metabolism by PPARalpha |
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Application Details

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| Application Notes: | WB 1:500 - 1:2000 |
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| Restrictions: | For Research Use only |
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Handling

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| Concentration: | 1 mg/mL |
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| Buffer: | Buffer: PBS with 0.02 % sodium azide, 50 % glycerol, pH 7.3. |
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| Preservative: | Sodium azide |
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| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which |
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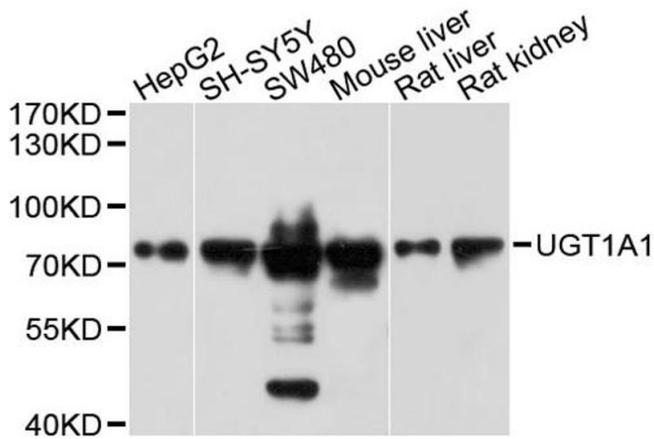
Handling

should be handled by trained staff only.

Storage: -20 °C

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

Images



Western Blotting

Image 1. Western blot analysis of extracts of various cell lines, using UGT1A1 antibody.