

UGT1A1 Polyclonal Antibody

Catalog No.	A1359	Category	Polyclonal Antibodies
Applications	WB	Observed MW	60kDa
Cross-reactivity	Human, Mouse, Rat	Calculated MW	49kDa/59kDa

Immunogen Information

Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 1-200 of human UGT1A1 (NP_000454.1).
Gene ID	54658
Swiss prot	P22309
Synonyms	UGT1A1; BILIQTL1; GNT1; HUG-BR1; UDPGT; UDPGT 1-1; UGT1; UGT1A; UDPGT1-1; UDP-glucuronosyltransferase 1-1

Product information

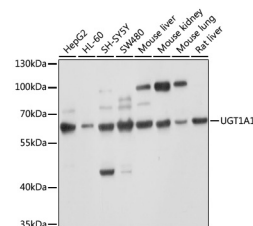
Source	Rabbit
Isotype	IgG
Purification method	Affinity purification
Storage	Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

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 1:500 -
1:2000



Western blot - UGT1A1 Polyclonal Antibody (A1359)