

Product datasheet for **TA308133**

UGT (UGT1A9) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	IHC:1:100-1:1000; WB:1:500-1:10000
Reactivity:	Human, Mouse (Predicted: Rat)
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Recombinant fragment corresponding to a region within amino acids 291 and 530 of UGT1A9 (Uniprot ID#O60656)
Formulation:	0.1M Tris, 0.1M Glycine, 20% Glycerol (pH7). 0.01% Thimerosal was added as a preservative.
Purification:	Purified by antigen-affinity chromatography.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	60 kDa
Gene Name:	UDP glucuronosyltransferase family 1 member A9
Database Link:	NP_066307 Entrez Gene 394434 Mouse Entrez Gene 396552 Rat Entrez Gene 54600 Human O60656

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 enzyme encoded by this gene is active on phenols. [provided by RefSeq]



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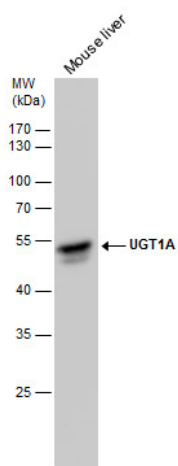
Synonyms: HLUGP4; LUGP4; UDPGT; UDPGT 1-9; UGT-1I; UGT1-09; UGT1-9; UGT1.9; UGT1A9S; UGT1AI; UGT1I

Note: Seq homology of immunogen across species: Rat (89%)

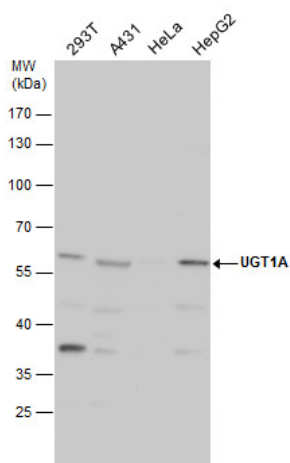
Protein Families: Druggable Genome, Transmembrane

Protein Pathways: Androgen and estrogen metabolism, Ascorbate and aldarate metabolism, Drug metabolism - cytochrome P450, Drug metabolism - other enzymes, Metabolic pathways, Metabolism of xenobiotics by cytochrome P450, Pentose and glucuronate interconversions, Porphyrin and chlorophyll metabolism, Retinol metabolism, Starch and sucrose metabolism

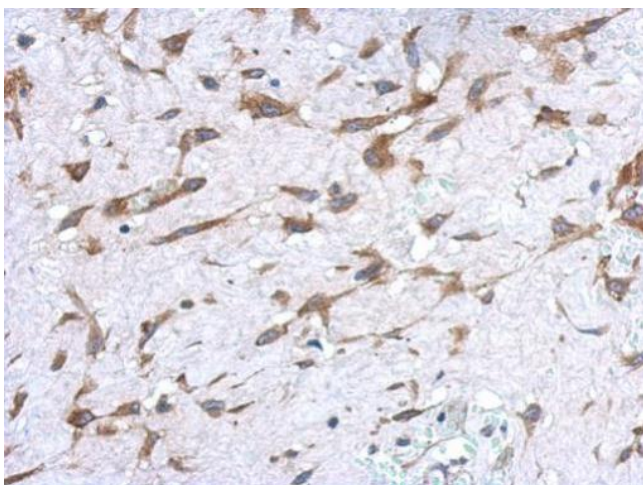
Product images:



UGT1A antibody detects UGT1A protein by western blot analysis. Mouse tissue extracts (50 ug) was separated by 10 % SDS-PAGE, and the membrane was blotted with UGT1A antibody (TA308133) diluted by 1:2000.



UGT1A antibody detects UGT1A protein by western blot analysis. Various whole cell extracts (30 ug) were separated by 10% SDS-PAGE, and the membrane was blotted with UGT1A antibody (TA308133) diluted by 1:500.



Immunohistochemical analysis of paraffin-embedded Hepatoma, using UGT1A (TA308133) antibody at 1:500 dilution.