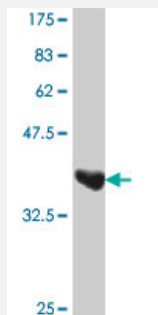


UGT1A9 polyclonal antibody (A01)

Catalog # H00054600-A01

Size 50 uL

Applications



Western Blot detection against Immunogen (38.21 KDa) .

Specification

Product Description	Mouse polyclonal antibody raised against a partial recombinant UGT1A9.
Immunogen	UGT1A9 (NP_066307, 27 a.a. ~ 136 a.a) partial recombinant protein with GST tag.
Sequence	KLLVVPMDGSHWFTMRSVVEKLILRGHEVVVVMPEVSWQLGRSLNCTVKTYSTSYTLEDLDREF KAFHAQWKAQVRSIYLLMGSYNDIFDLFFSNCRSLFKDKKLVEY
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (78); Rat (79)
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (38.21 KDa) .
Storage Buffer	50 % glycerol
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

Gene Info — UGT1A9

Entrez GeneID [54600](#)

GeneBank Accession# [NM_021027](#)

Protein Accession# [NP_066307](#)

Gene Name UGT1A9

Gene Alias HLUGP4, LUGP4, UDPGT, UGT1A1

Gene Description UDP glucuronosyltransferase 1 family, polypeptide A9

Omim ID [606434](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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]

Other Designations UDP glycosyltransferase 1 family, polypeptide A9|UDP-glucuronosyltransferase 1A9

Publication Reference

- [Preparation of a specific monoclonal antibody against human UDP-glucuronosyltransferase \(UGT\) 1A9 and evaluation of UGT1A9 protein levels in human tissues.](#)

Oda S, Nakajima M, Hatakeyama M, Fukami T, Yokoi T.

Drug Metabolism and Disposition 2012 Aug; 40(8):1620.

Application: WB, Human, Mouse, Rat, HEK 293, HepG2, HLM, HK-2, MCF-7 cells, Livers from Human, Mouse, Rat

- [Quantitative analysis of UGT1A and UGT2B expression levels in human livers.](#)

Izukawa T, Nakajima M, Fujiwara R, Yamanaka H, Fukami T, Takamiya M, Aoki Y, Ikushiro SI, Sakaki T, Yokoi T.

Drug Metabolism and Disposition: the Biological Fate of Chemicals 2009 May; 37(8):1759.

Application: WB-Ti, Human, Human liver

Pathway

- [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](#)

Disease

- [Breast Neoplasms](#)
- [Carcinoma](#)
- [Cardiovascular Diseases](#)
- [Colon cancer](#)
- [Colonic Neoplasms](#)
- [Colorectal Neoplasms](#)
- [Diabetes Mellitus](#)
- [Diarrhea](#)

- [Drug Toxicity](#)
- [Edema](#)
- [Gastrointestinal Diseases](#)
- [Genetic Predisposition to Disease](#)
- [Hearing Loss](#)
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- [Liver Neoplasms](#)
- [Lung Neoplasms](#)
- [Malaria](#)
- [Mucocutaneous Lymph Node Syndrome](#)
- [Neoplasm Metastasis](#)
- [Neoplasms](#)
- [Neutropenia](#)
- [Ovarian cancer](#)
- [Pancreatic cancer](#)
- [Pancreatic Neoplasms](#)
- [Prostate cancer](#)
- [Prostatic Neoplasms](#)
- [Tobacco Use Disorder](#)