

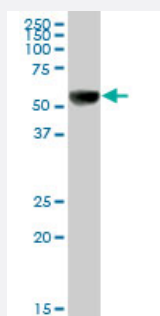
MaxPab®

UGT1A9 purified MaxPab mouse polyclonal antibody (B01P)

Catalog # H00054600-B01P

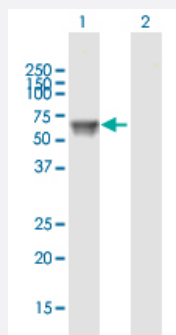
Size 50 ug

Applications



Western Blot (Tissue lysate)

UGT1A9 MaxPab polyclonal antibody. Western Blot analysis of UGT1A9 expression in human liver.

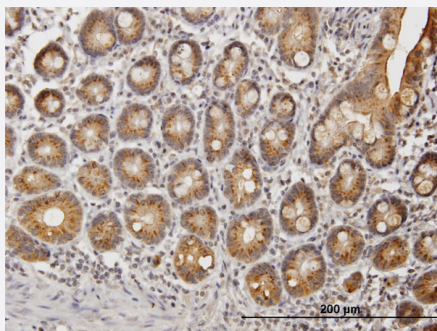


Western Blot (Transfected lysate)

Western Blot analysis of UGT1A9 expression in transfected 293T cell line ([H00054600-T01](#)) by UGT1A9 MaxPab polyclonal antibody.

Lane 1: UGT1A9 transfected lysate(58.3 KDa).

Lane 2: Non-transfected lysate.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunoperoxidase of purified MaxPab antibody to UGT1A9 on formalin-fixed paraffin-embedded human small Intestine. [antibody concentration 3 ug/ml]

Specification

Product Description

Mouse polyclonal antibody raised against a full-length human UGT1A9 protein.

Immunogen	UGT1A9 (NP_066307.1, 1 a.a. ~ 530 a.a) full-length human protein.
Sequence	MACTGWTSPPLCVCLLLTCGFAEAGKLLVVPMDGSHWFTMRSVVEKLILRGHEVVVVMPEVS WQLGRSLNCTVKTYSTSYTLEDLDREFKAFHAQWKAQVRSIYSLLMGSYNDIFDLFFSNCRSLF KDKKLVEYLKESSFDAVFLDPFDNCGLVAKYFSLPSVVFARGILCHYLEEGAQCPAPLSYVPRILL GFSDAMTFKERVNRNHIMHLEEHLLCHRFFKNALEIASEILQTPVTEYDLYSHTSWLLRTDFVLDYPK PVMPTNMIFIGGINCHQGKPLPMEFEAYINASGEHGIVVFSLGSMVSEIPEKKAMAADALGKIPQTVL WRYTGTRPSNLANNTILVKWLPQNDLLGHPMTRAFITHAGSHGVYESICNGVPMVMMPLFGDQM DNAKRMETKGAGVTLNVLEMTSEDLENALKAVINDKSYKENIMRLSSLHKDRPVEPLDLAVFWVE FVMRHKGAPHLRPAAHDLTWYQYHSLDVIGFLLAVVLTVAFITFKCCAYGYRKCLGKKGRVKKAH KSKTH
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (78); Rat (79)
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Tissue lysate)

UGT1A9 MaxPab polyclonal antibody. Western Blot analysis of UGT1A9 expression in human liver.

[Protocol Download](#)

- Western Blot (Transfected lysate)

Western Blot analysis of UGT1A9 expression in transfected 293T cell line ([H00054600-T01](#)) by UGT1A9 MaxPab polyclonal antibody.

Lane 1: UGT1A9 transfected lysate(58.3 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunoperoxidase of purified MaxPab antibody to UGT1A9 on formalin-fixed paraffin-embedded human small Intestine.
[antibody concentration 3 ug/ml]

[Protocol Download](#)

Gene Info — UGT1A9

Entrez GeneID [54600](#)

GeneBank Accession# [NM_021027.2](#)

Protein Accession# [NP_066307.1](#)

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

- [Association analysis of UGT1A genotype and haplotype with SN-38 glucuronidation in human livers.](#)

Wang H, Bian T, Jin T, Chen Y, Lin A, Chen C.

Pharmacogenomics 2014 Apr; 15(6):785.

Application: WB-Ti, Human, Liver

- [Altered UDP-Glucuronosyltransferase and Sulfotransferase Expression and Function during Progressive Stages of Human Nonalcoholic Fatty Liver Disease.](#)

Hardwick RN, Ferreira DW, More VR, Lake AD, Lu Z, Manautou JE, Slitt AL, Cherrington NJ.

Drug Metabolism and Disposition 2012 Dec; 41(3):554.

Application: WB, Human, Patients with nonalcoholic fatty liver disease

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](#)
- [Leukopenia](#)
- [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](#)