

MaxPab®

UGT1A3 purified MaxPab mouse polyclonal antibody (B01P)

Catalog # H00054659-B01P

Size 500 ug

Specification

Product Description	Mouse polyclonal antibody raised against a full-length human UGT1A3 protein.
Immunogen	UGT1A3 (AAI66641.1, 1 a.a. ~ 534 a.a) full-length human protein.
Sequence	MATGLQVPLPWLATGLLLLLSVQPWAESGKVLVVPIDGSHWLSMREVLRELHARGHQAVVLTPE VNMHIKEENFFLTTTYAISWTQDEFDRHVLGHTQLYFETEHLKKFFRSMAMLNMSLVYHRSCVE LLHNEALIRHLNATSFDDVLTDPVNLCAAVLAKYLSIPTVFFLRNIPCDLDFKGTQCPNPSSYIPRL TTNSDHMTFMQRVKNMLYPLALSYICHAFSAPYASLASELFQREVSVVDILSHASVWLFRGDFVM DYPRPIMPNMVFIGGINCANRKPLSQEFEAYINASGEHGIVFSLGSMVSEIPEKKAMAIADALGKIP QTVLWRYTGTRPSNLANNTILVKWLPQNDLLGHPMTRAFITHAGSHGVYESICNGVPMVMMPLFG DQMDNAKRMETKGAGVTLNVLEMTSEDLENALKAVINDKSYKENIMRLSSLHKDRPVEPLDLAVF WVEFVMRHKGAPHLRPAHDLTWYQYHSLDVIGFLLAVVLTVAFITFKCCAYGYRKCLGKKGRVK KAHKSKTH
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (75); Rat (77)
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 (Transfected lysate)

[Protocol Download](#)

Gene Info — UGT1A3

Entrez GeneID [54659](#)

GeneBank Accession# [BC166641.1](#)

Protein Accession# [AA166641.1](#)

Gene Name UGT1A3

Gene Alias UGT1C

Gene Description UDP glucuronosyltransferase 1 family, polypeptide A3

Omim ID [606428](#)

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. Substrates of this enzyme include estrone, 2-hydroxyestrone, and metabolites of benzo alpha-pyrene. [provided by RefSeq]

Other Designations OTTHUMP00000065193|UDP glucuronosyltransferase 1A3|UDP glycosyltransferase 1 family, polypeptide A3|UDP-glucuronosyltransferase

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

- [Adenomatous Polyposis Coli](#)
- [Carcinoma](#)
- [Cardiovascular Diseases](#)
- [Colon cancer](#)
- [Diabetes Mellitus](#)
- [Drug-Induced Liver Injury](#)
- [Duodenal Neoplasms](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Gilbert Disease](#)
- [Hearing Loss](#)
- [Hyperbilirubinemia](#)
- [Liver Neoplasms](#)