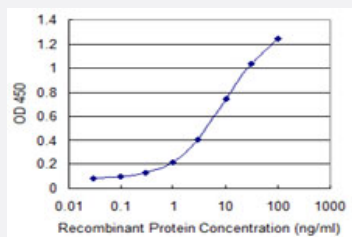


UGT1A10 monoclonal antibody (M02), clone 2D3

Catalog # H00054575-M02

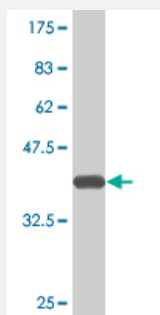
Size 100 ug

Applications



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged UGT1A10 is 0.1 ng/ml as a capture antibody.



Western Blot detection against Immunogen (37.07 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant UGT1A10.
Immunogen	UGT1A10 (NP_061948, 187 a.a. ~ 289 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	LSYVPNDLLGFSDAMTFKERVWNHMHLEDHLFCQYLFRNALEIASEILQTPVTAYDLYSHTSIWLLR TDFVLDYPKPVMPNMIFIGGINCHQGKPLPMEFEA
Host	Mouse
Reactivity	Human

Interspecies Antigen Sequence	Mouse (78); Rat (78)
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (37.07 KDa) .
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 (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged UGT1A10 is 0.1 ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — UGT1A10

Entrez GeneID	54575
GeneBank Accession#	NM_019075
Protein Accession#	NP_061948
Gene Name	UGT1A10
Gene Alias	UDPGT, UGT1J
Gene Description	UDP glucuronosyltransferase 1 family, polypeptide A10
Omim ID	606435
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 has glucuronidase activity on mycophenolic acid, coumarins, and quinolines. [provided by RefSeq]

Other Designations

OTTHUMP00000065196|UDP glycosyltransferase 1 family, polypeptide A10|UDP-glucuronosyltransferase 1A10

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](#)
- [Breast cancer](#)
- [Carcinoma](#)
- [Cardiovascular Diseases](#)
- [Colon cancer](#)

- [Diabetes Mellitus](#)
- [Duodenal Neoplasms](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Hearing Loss](#)
- [Kidney Failure](#)
- [Laryngeal Neoplasms](#)
- [Liver Neoplasms](#)
- [Mouth Neoplasms](#)
- [Neoplasms](#)
- [Tobacco Use Disorder](#)