UGT2B15 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	UGT2B15, Polyclonal Antibody
Full Product Name	UGT2B15 Antibody
Product Gene Name	anti-UGT2B15 antibody
Product Synonym Names	EC 2.4.1.17; HLUG4; UDB15_HUMAN; UDP glucuronosyltransferase 2 family polypeptide B15; UDP glucuronosyltransferase 2 family, member B15; UDP glucuronosyltransferase 2 family, member B8; UDP glucuronosyltransferase 2B15; UDP glucuronosyltransferase UGT2B15; UDP glucuronyltransferase family 2 beta 15; UDP glycosyltransferase 2 family, member B15; UDP glycosyltransferase 2B15; UDP-glucuronosyltransferase 2B15; UDP-glucuronosyltransferase 2B8; UDPGT 2B15; UDPGT 2B8; UDPGT2B15; UDPGTh 3; UDPGTh-3; UDPGTH3; UGT2B15; UGT2B8; Uridine diphosphate glucuronosyltransferase 2 family, member B8; Uridine diphosphate glycosyltransferase 2 family, member B15
Clonality	Polyclonal
Isotype	Rabbit IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Liquid. Rabbit IgG in phosphate buffered saline, pH7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin (Thermo Fisher Scientific).
Concentration	1mg/ml (lot specific)
Specificity	UGT2B15 Antibody detects endogenous levels of UGT2B15.
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.
Antibody/Peptide Pairs	UGT2B15 peptide (MBS9632411) is used for blocking the activity of UGT2B15 antibody (MBS9630028)
Molecular Weight	61,036 Da
Chromosome Location	Chromosome: 4; NC_000004.11 (69512315..69536494, complement). Location: 4q13
OMIM	600069
3D Structure	ModBase 3D Structure for P54855
Supply Chain Verification	Manufactured in a lab with traceable raw materials manufactured on site. Coordinated product portfolio of antibodies, pairs, conjugates, recombinant proteins, and immunoassay materials available, please inquire.
Immunogen	A synthesized peptide derived from human UGT2B15.
Conjugation	Unconjugated
Similarity	Belongs to the UDP-glycosyltransferase family.
Tissue Specificity	Expressed in many tissues. Present in liver, prostate and testis.
Function	UDPGTs are of major importance in the conjugation and subsequent elimination of potentially toxic xenobiotics and endogenous compounds. This isozyme displays activity toward several classes of xenobiotic substrates, including simple phenolic compounds, 7-hydroxylated coumarins, flavonoids, anthraquinones, and certain drugs and their hydroxylated metabolites. It also catalyzes the glucuronidation of endogenous estrogens and androgens.

Product Categories/Family for anti-UGT2B15 antibody	Microsome membrane; Single-pass membrane protein; Endoplasmic reticulum membrane; Primary
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-UGT2B15 antibody	ELISA (EIA)(peptide)
Application Notes for anti-UGT2B15 antibody	ELISA(peptide): 1:20000-1:40000
Related Product Information for anti-UGT2B15 antibody	MBS9630028 is an antibody targeting UGT2B15. Also known as UGT2B15 Antibody. Reactive in Human. Host: Rabbit.
Other Notes	Small volumes of anti-UGT2B15 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for UGT2B15. It may not necessarily be applicable to this product.

NCBI GI #	116517299
NCBI GeneID	7366
NCBI Accession #	NP_001067.2
UniProt Primary Accession #	P54855
UniProt Secondary Accession #	P23765; Q9UK63; A6NDX0; A6NNJ4
UniProt Related Accession #	P54855; AAB28536
GenBank Nucleotide #	NM_001076.3
NCBI Official Full Name	UDP-glucuronosyltransferase 2B15
NCBI Official Synonym Full Names	UDP glucuronosyltransferase 2 family, polypeptide B15
NCBI Official Symbol	UGT2B15
NCBI Official Synonym Symbols	HLUG4; UGT2B8; UDPGTH3; UDPGT 2B8; UDPGT2B15
UniProt Protein Name	UDP-glucuronosyltransferase 2B15
UniProt Synonym Protein Names	HLUG4; UDP-glucuronosyltransferase 2B8; UDPGT 2B8; UDPGTh-3
Protein Family	UDP-glucuronosyltransferase
UniProt Gene Name	UGT2B15
UniProt Synonym Gene Names	UGT2B8; UDPGT 2B15; UDPGT 2B8
UniProt Entry Name	UDB15_HUMAN
NCBI Protein Information	UDP-glucuronosyltransferase 2B15; UDPGTh-3; UDPGT 2B15; UDP glycosyltransferase 2B15; UDP-glucuronosyltransferase 2B8; UDP-glucuronosyltransferase UGT2B15; UDP-glucuronyltransferase, family 2, beta-15
NCBI Summary for UGT2B15	This gene encodes a member of the UDP-glycosyltransferase (UDPGT) family. The UDPGTs are of major importance in the conjugation and subsequent elimination of potentially toxic xenobiotics and endogenous compounds. This protein displays activity towards several classes of xenobiotic substrates, including simple phenolic compounds, 7-hydroxylated coumarins, flavonoids, anthraquinones, and certain drugs and their hydroxylated metabolites. It also catalyzes the glucuronidation of endogenous estrogens and androgens. [provided by RefSeq, Oct 2011]

UniProt Comments for UGT2B15	UGT2B15: UDPGTs are of major importance in the conjugation and subsequent elimination of potentially toxic xenobiotics and endogenous compounds. This isozyme displays activity toward several classes of xenobiotic substrates, including simple phenolic compounds, 7-hydroxylated coumarins, flavonoids, anthraquinones, and certain drugs and their hydroxylated metabolites. It also catalyzes the glucuronidation of endogenous estrogens and androgens. Belongs to the UDP-glycosyltransferase family. Protein type: Transferase; EC 2.4.1.17; Xenobiotic Metabolism - drug metabolism - cytochrome P450; Carbohydrate Metabolism - ascorbate and aldarate; Carbohydrate Metabolism - pentose and glucuronate interconversions; Carbohydrate Metabolism - starch and sucrose; Xenobiotic Metabolism - drug metabolism - other enzymes; Cofactor and Vitamin Metabolism - porphyrin and chlorophyll; Lipid Metabolism - androgen and estrogen; Membrane protein, integral; Cofactor and Vitamin Metabolism - retinol; Xenobiotic Metabolism - metabolism by cytochrome P450 Chromosomal Location of Human Ortholog: 4q13 Cellular Component: endoplasmic reticulum membrane; intracellular membrane-bound organelle; integral to membrane Molecular Function: retinoic acid binding; glucuronosyltransferase activity Biological Process: steroid metabolic process; flavonoid biosynthetic process; xenobiotic metabolic process; cellular response to hormone stimulus
Research Articles on UGT2B15	**1.** Sipoglitazar clearance is substantially modified by UGT2B15 enzyme variants, with higher exposure observed in the UGT2B15*2/*2 genotype group.
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