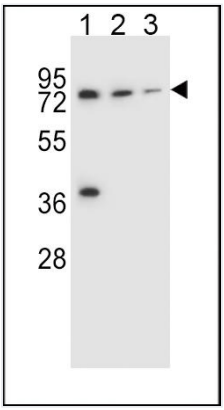
UGT2B15 Antibody – Rabbit Polyclonal

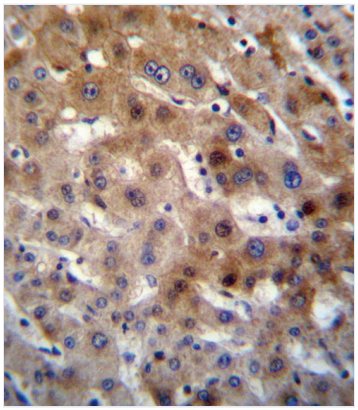
PRODUCT OVERVIEW

Product Name	UGT2B15, Polyclonal Antibody
Full Product Name	UGT2B15, ID (UGT2B15, UGT2B8, UDP-glucuronosyltransferase 2B15, HLUG4, UDP-glucuronosyltransferase 2B8, UDPGTh-3) (PE)
Product Gene Name	anti-UGT2B15 antibody
Product Synonym Names	UGT2B15; UGT2B8; UDP-glucuronosyltransferase 2B15; HLUG4; UDP-glucuronosyltransferase 2B8; UDPGTh-3
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with R-Phycoerythrin (PE).
Purity/Purification	Purified by Protein A Affinity Chromatography.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: PE conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
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
Immunogen	UGT2B15 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 163-193 amino acids from the Central region of human UGT2B15.
Conjugate	PE
Note	Preservative Free
Special Handling	Light sensitive
Product Categories/Family for anti-UGT2B15 antibody	Antibodies; Enzymes; Glucuronosyltransferase
Applications Tested/Suitable for anti-UGT2B15 antibody	Flow Cytometry (FC/FACS), FLISA, Immunofluorescence (IF), Immunohistochemistry (IHC), Western Blot (WB)
Application Notes for anti-UGT2B15 antibody	FC/FACS: 1:10-50 FLISA: 1:1,000 IF: 1:10-50 IHC: 1:10-50 WB: 1:100-500 Applications are based on unconjugated antibody.
Related Product Information for anti-UGT2B15 antibody	The UGTs are of major importance in the conjugation and subsequent elimination of potentially toxic xenobiotics and endogenous compounds. UGT2B8 demonstrates reactivity with estriol. See UGT2B4 (MIM 600067).

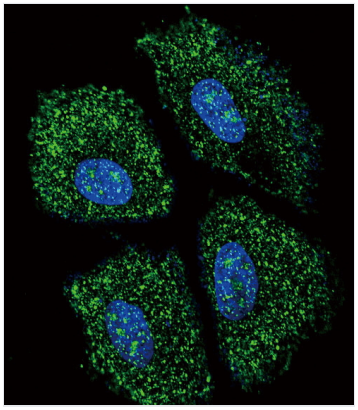
Product References and Citations for anti-UGT2B15 antibody	Yong, M., et al. Cancer Epidemiol. Biomarkers Prev. 19(2):537-546(2010). Sun, C., et al. Hum. Mutat. 31(1):99-107(2010). Ross, C.J., et al. Nat. Genet. 41(12):1345-1349(2009). He, X., et al. Br J Clin Pharmacol 68(5):721-730(2009). Holmes, M.V., et al. PLoS ONE 4 (12), E7960 (2009).
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.
Searchable Terms for UGT2B15 purchase	MBS6361189 is an antibody targeting UGT2B15. Also known as UGT2B15, ID (UGT2B15, UGT2B8, UDP-glucuronosyltransferase 2B15, HLUG4, UDP-glucuronosyltransferase 2B8, UDPGTh-3) (PE). Reactive in Human. Host: Rabbit.



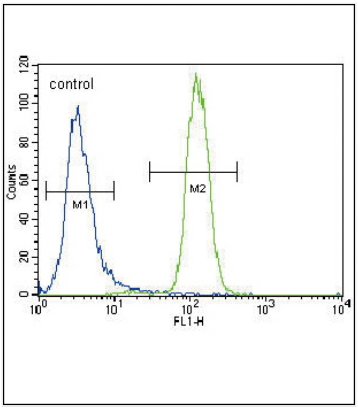
Western Blot (WB) of anti-UGT2B15 antibody
UGT2B15 Antibody (Center) western blot analysis in NCI-H460(lane 1),HepG2(lane 2),ZR-75-1(lane 3) cell line lysates (35ug/lane).This demonstrates the UGT2B15 antibody detected the UGT2B15 protein (arrow).



Immunohistochemistry (IHC) of anti-UGT2B15 antibody
UGT2B15 Antibody (Center) immunohistochemistry analysis in formalin fixed and paraffin embedded human liver tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.



Immunofluorescence (IF) of anti-UGT2B15 antibody
Confocal immunofluorescent analysis of UGT2B15 Antibody (Center) with NCI-H460 cell followed by Alexa Fluor 488-conjugated goat anti-rabbit lgG (green). DAPI was used to stain the cell nuclear (blue).



Flow Cytometry (FC/FACS) of anti-UGT2B15 antibody
UGT2B15 Antibody (Center) flow cytometric analysis of NCI-H460 cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

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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