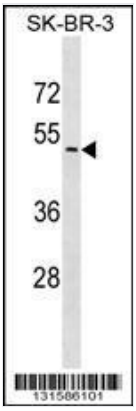
UGT2B7 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	UGT2B7, Polyclonal Antibody
Full Product Name	UGT2B7, NT (UGT2B7, UGTB2B9, UDP-glucuronosyltransferase 2B7, 3,4-catechol estrogen-specific UDPGT, UDP-glucuronosyltransferase 2B9, UDPGTh-2) (Biotin)
Product Gene Name	anti-UGT2B7 antibody
Product Synonym Names	UGT2B7; UGTB2B9; UDP-glucuronosyltransferase 2B7; 3,4-catechol estrogen-specific UDPGT; UDP-glucuronosyltransferase 2B9; UDPGTh-2
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 Biotin.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and store at -20 degree C. Aliquots are stable at -20 degree C for 12 months after receipt. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.
Molecular Weight	60,695 Da
OMIM	600068
3D Structure	ModBase 3D Structure for P16662
Immunogen	UGT2B7 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 96-127 amino acids from the N-terminal region of human UGT2B7.
Conjugate	Biotin
Note	Preservative Free
Product Categories/Family for anti-UGT2B7 antibody	Antibodies; Enzymes; Glucuronosyltransferase
Applications Tested/Suitable for anti-UGT2B7 antibody	Western Blot (WB), ELISA (EIA)
Application Notes for anti-UGT2B7 antibody	WB: 1:100-500 ELISA: 1:1,000 Applications are based on unconjugated antibody.
Related Product Information for anti-UGT2B7 antibody	The UGTs (EC 2.4.1.17) serve a major role in the conjugation and subsequent elimination of potentially toxic xenobiotics and endogenous compounds. UGT2B7 has unique specificity for 3,4-catechol estrogens and estriol, suggesting that it may play an important role in regulating the level and activity of these potent estrogen metabolites. Its subcellular location is the microsome.
Product References and Citations for anti-UGT2B7 antibody	Joy, M.S., et al. Eur. J. Clin. Pharmacol. 66(11):1119-1130(2010). Canzian, F., et al. Hum. Mol. Genet. 19(19):3873-3884(2010). Hu, M., et al. Pharmacogenet. Genomics 20(10):634-637(2010). Woillard, J.B., et al. Br J Clin Pharmacol 69(6):675-683(2010). Hwang, M.S., et al. Drug Metab. Pharmacokinet. 25(4):398-402(2010).

Other Notes	Small volumes of anti-UGT2B7 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 UGT2B7 purchase	MBS6361214 is an antibody targeting UGT2B7. Also known as UGT2B7, NT (UGT2B7, UGTB2B9, UDP-glucuronosyltransferase 2B7, 3,4-catechol estrogen-specific UDPGT, UDP-glucuronosyltransferase 2B9, UDPGTh-2) (Biotin). Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-UGT2B7 antibody
UGT2B7 Antibody (N-term) western blot analysis in SK-BR-3 cell line lysates (35ug/lane).This demonstrates the UGT2B7 antibody detected the UGT2B7 protein (arrow).

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for UGT2B7. It may not necessarily be applicable to this product.

NCBI GI #	190194389
NCBI GeneID	7364
NCBI Accession #	NP_001065.2
UniProt Primary Accession #	P16662
UniProt Secondary Accession #	Q6GTW0; B2R810
UniProt Related Accession #	P16662
GenBank Nucleotide #	NM_001074.2
NCBI Official Full Name	UDP-glucuronosyltransferase 2B7
NCBI Official Synonym Full Names	UDP glucuronosyltransferase 2 family, polypeptide B7
NCBI Official Symbol	UGT2B7
NCBI Official Synonym Symbols	UGT2B9; UDPGTH2; UDPGT2B7; UDPGT 2B9
UniProt Protein Name	UDP-glucuronosyltransferase 2B7
UniProt Synonym Protein Names	3,4-catechol estrogen-specific UDPGT; UDP-glucuronosyltransferase 2B9; UDPGT 2B9; UDPGTh-2
Protein Family	UDP-glucuronosyltransferase
UniProt Gene Name	UGT2B7
UniProt Synonym Gene Names	UGTB2B9; UDPGT 2B7; UDPGT 2B9
UniProt Entry Name	UD2B7_HUMAN
NCBI Protein Information	UDP-glucuronosyltransferase 2B7; UDPGTh-2; UDPGT 2B7; 3,4-catechol estrogen specific; UDP glucuronosyltransferase 2B7; UDP-glucuronosyltransferase 2B9; 3,4-catechol estrogen-specific UDPGT; UDP-glucuronyltransferase, family 2, beta-7

NCBI Summary for UGT2B7	The protein encoded by this gene belongs to the UDP-glycosyltransferase (UGT) family. UGTs serve a major role in the conjugation and subsequent elimination of potentially toxic xenobiotics and endogenous compounds. This protein is localized in the microsome membrane, and has unique specificity for 3,4-catechol estrogens and estriol, suggesting that it may play an important role in regulating the level and activity of these potent estrogen metabolites. [provided by RefSeq, Sep 2011]
UniProt Comments for UGT2B7	UGT2B7: UDPGT is of major importance in the conjugation and subsequent elimination of potentially toxic xenobiotics and endogenous compounds. Belongs to the UDP-glycosyltransferase family. Protein type: Membrane protein, integral; Cofactor and Vitamin Metabolism - porphyrin and chlorophyll; Carbohydrate Metabolism - pentose and glucuronate interconversions; Lipid Metabolism - androgen and estrogen; Transferase; Xenobiotic Metabolism - drug metabolism - cytochrome P450; Carbohydrate Metabolism - starch and sucrose; Cofactor and Vitamin Metabolism - retinol; Xenobiotic Metabolism - metabolism by cytochrome P450; EC 2.4.1.17; Xenobiotic Metabolism - drug metabolism - other enzymes; Carbohydrate Metabolism - ascorbate and aldarate Chromosomal Location of Human Ortholog: 4q13 Cellular Component: endoplasmic reticulum membrane; intracellular membrane-bound organelle; membrane; integral to membrane Molecular Function: retinoic acid binding; glucuronosyltransferase activity Biological Process: flavonoid biosynthetic process; androgen metabolic process; lipid metabolic process; cellular response to hormone stimulus
Research Articles on UGT2B7	**1.** A novel autoregulatory mechanism of the UGT2B7 glucuronidation pathway.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/polyclonal-human-antibody/ugt2b7/6361214