UGT2A3 Antibody (Center) Blocking Peptide

PRODUCT OVERVIEW

Product Name	UGT2A3, Blocking Peptide
Full Product Name	UGT2A3 Antibody (Center) Blocking Peptide
Product Gene Name	UGT2A3 blocking peptide
Product Synonym Names	UDP-glucuronosyltransferase 2A3; UDPGT 2A3; UGT2A3
Form/Format	Synthetic peptide was lyophilized with 100% acetonitrile and is supplied as a powder. Reconstitute with 0.1 ml DI water for a final concentration of 1 mg/ml.
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C.
Antibody/Peptide Pairs	UGT2A3 peptide (MBS9222826) is used for blocking the activity of UGT2A3 antibody (MBS9206369)
Molecular Weight	60,254 Da
OMIM	616382
Cellular Location	Membrane; Single-pass type I membrane protein
Related Product Information for UGT2A3 blocking peptide	UDP-glucuronosyltransferases catalyze phase II biotransformation reactions in which lipophilic substrates are conjugated with glucuronic acid to increase water solubility and enhance excretion. They are of major importance in the conjugation and subsequent elimination of potentially toxic xenobiotics and endogenous compounds (By similarity).
Other Notes	Small volumes of UGT2A3 blocking peptide 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 UGT2A3 purchase	MBS9222826 is a blocking peptide targeting UGT2A3. Also known as UGT2A3 Antibody (Center) Blocking Peptide.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for UGT2A3. It may not necessarily be applicable to this product.

NCBI GI #	296452855
NCBI GeneID	79799
NCBI Accession #	Q6UWM9.2
UniProt Primary Accession #	Q6UWM9
UniProt Secondary Accession #	Q9H6S4
UniProt Related Accession #	Q6UWM9
NCBI Official Full Name	UDP-glucuronosyltransferase 2A3
NCBI Official Synonym Full Names	UDP glucuronosyltransferase family 2 member A3
NCBI Official Symbol	UGT2A3
UniProt Protein Name	UDP-glucuronosyltransferase 2A3
Protein Family	UDP-glucuronosyltransferase
UniProt Gene Name	UGT2A3

UniProt Synonym Gene Names	UDPGT 2A3
UniProt Entry Name	UD2A3_HUMAN
NCBI Protein Information	UDP-glucuronosyltransferase 2A3
UniProt Comments for UGT2A3	UGT2A3: UDP-glucuronosyltransferases catalyze phase II biotransformation reactions in which lipophilic substrates are conjugated with glucuronic acid to increase water solubility and enhance excretion. They are of major importance in the conjugation and subsequent elimination of potentially toxic xenobiotics and endogenous compounds. Belongs to the UDP-glycosyltransferase family. Protein type: Xenobiotic Metabolism - drug metabolism - other enzymes; Lipid Metabolism - androgen and estrogen; Membrane protein, integral; Xenobiotic Metabolism - drug metabolism - cytochrome P450; Xenobiotic Metabolism - metabolism by cytochrome P450; Carbohydrate Metabolism - pentose and glucuronate interconversions; Cofactor and Vitamin Metabolism - retinol; Carbohydrate Metabolism - ascorbate and aldarate; Transferase; Cofactor and Vitamin Metabolism - porphyrin and chlorophyll; EC 2.4.1.17; Carbohydrate Metabolism - starch and sucrose Chromosomal Location of Human Ortholog: 4q13.2 Cellular Component: intracellular membrane-bound organelle Molecular Function: glucuronosyltransferase activity Biological Process: flavonoid biosynthetic process
Research Articles on UGT2A3	**1.** Results show that UGT2A2 not only shares exons 2-6 with UGT2A1, it also shares with it a similar tissue expression pattern; both UGTs are primarily expressed in nasal epithelium. The 3rd member of UGT2A subfamily, UGT2A3 exhibited a different tissue expression pattern, found mainly in liver and small intestine.
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/blocking-peptide/ugt2a3/9222826