UGT1A9 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	UGT1A9, Polyclonal Antibody
Full Product Name	UGT1A9 Antibody, Biotin conjugated
Product Gene Name	anti-UGT1A9 antibody
Product Synonym Names	UDP-glucuronosyltransferase 1-9; UDPGT 1-9; UGT1*9; UGT1-09; UGT1.9; UDP-glucuronosyltransferase 1-I; UGT-1I; UGT1I; UDP-glucuronosyltransferase 1A9; lugP4; UGT1A9; GNT1; UGT1
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Liquid
Purity/Purification	>95%, Protein G purified
Preparation and Storage	Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C or -80 degree C. Avoid repeated freeze.
Matching Pairs	Unconjugated Antibody: UGT1A9 (MBS7052485) Biotin Conjugated Antibody: UGT1A9 (MBS7052488)
Molecular Weight	49,718 Da
OMIM	S55985 mRNA
3D Structure	ModBase 3D Structure for O60656
Immunogen	Recombinant Human UDP-glucuronosyltransferase 1-9 protein (277-473AA)
Conjugation	Biotin
Preservative	0.03% Proclin 300
Constituents	50% Glycerol, 0.01M PBS, pH 7.4
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-UGT1A9 antibody	ELISA (EIA)
Related Product Information for anti-UGT1A9 antibody	UDPGT is of major importance in the conjugation and subsequent elimination of potentially toxic xenobiotics and endogenous compounds. This isoform has specificity for phenols. Isoform 2 lacks transferase activity but acts as a negative regulator of isoform 1.
Other Notes	Small volumes of anti-UGT1A9 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 UGT1A9 purchase	MBS7052488 is an antibody targeting UGT1A9. Also known as UGT1A9 Antibody, Biotin conjugated. Reactive in Human. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for UGT1A9. It may not necessarily be applicable to this product.

NCBI GI #	11276085
NCBI GeneID	54600
NCBI Accession #	NP_066307.1
UniProt Primary Accession #	O60656
UniProt Secondary Accession #	P36509; Q9HAX0; B8K285
UniProt Related Accession #	O60656
GenBank Nucleotide #	NM_021027.2
NCBI Official Full Name	UDP-glucuronosyltransferase 1-9
NCBI Official Synonym Full Names	UDP glucuronosyltransferase family 1 member A9
NCBI Official Symbol	UGT1A9
NCBI Official Synonym Symbols	LUGP4; UDPGT; UGT1I; HLUGP4; UGT-1I; UGT1-9; UGT1.9; UGT1AI; UGT1-09; UGT1A9S; UDPGT 1-9
UniProt Protein Name	UDP-glucuronosyltransferase 1-9
UniProt Synonym Protein Names	UDP-glucuronosyltransferase 1-I; UGT-1I; UGT1I; UDP-glucuronosyltransferase 1A9; lugP4
Protein Family	UDP-glucuronosyltransferase
UniProt Gene Name	UGT1A9
UniProt Synonym Gene Names	GNT1; UGT1; UDPGT 1-9; UGT1*9; UGT1-09; UGT1.9; UGT-1I; UGT1I
NCBI Protein Information	UDP-glucuronosyltransferase 1-9
NCBI Summary for UGT1A9	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 is active on phenols. [provided by RefSeq, Jul 2008]
UniProt Comments for UGT1A9	UGT1A9: UDPGT is of major importance in the conjugation and subsequent elimination of potentially toxic xenobiotics and endogenous compounds. This isoform has specificity for phenols. Belongs to the UDP-glycosyltransferase family. 1 isoforms of the human protein are produced by alternative splicing. Protein type: Carbohydrate Metabolism - ascorbate and aldarate; Carbohydrate Metabolism - pentose and glucuronate interconversions; Carbohydrate Metabolism - starch and sucrose; Cofactor and Vitamin Metabolism - porphyrin and chlorophyll; Cofactor and Vitamin Metabolism - retinol; EC 2.4.1.17; Endoplasmic reticulum; Lipid Metabolism - androgen and estrogen; Membrane protein, integral; Transferase; Xenobiotic Metabolism - drug metabolism - cytochrome P450; Xenobiotic Metabolism - drug metabolism - other enzymes; Xenobiotic Metabolism - metabolism by cytochrome P450 Chromosomal Location of Human Ortholog: 2q37.1 Cellular Component: endoplasmic reticulum; endoplasmic reticulum membrane Molecular Function: glucuronosyltransferase activity; protein heterodimerization activity; protein homodimerization activity; retinoic acid binding Biological Process: flavone metabolic process; metabolic process; retinoic acid metabolic process; xenobiotic metabolic process
Research Articles on UGT1A9	**1.** UGT1A9 contributes to the in-vitro glucuronidation of arctigenin in liver microsomes.

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