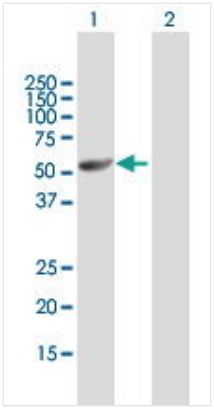
UGP2 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	UGP2, Polyclonal Antibody
Full Product Name	UGP2 (UTP--glucose-1-phosphate Uridylyltransferase, UDP-glucose Pyrophosphorylase, UDPGP, UGPase, UGP1) (Biotin)
Product Gene Name	anti-UGP2 antibody
Product Synonym Names	EC=2.7.7.9; pHC379; UDPG; UGPP1; UGPP2; UDPGP2
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.
Specificity	Recognizes human UGP2.
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 stor
OMIM	191750
3D Structure	ModBase 3D Structure for Q16851
Immunogen	Full length human UGP2, aa1-508 (NP_006750.3).
Immunogen Sequence	MSRFVQDLSKAMSQDGASQFQEVIRQELELSVKKELEKILTTASSHEFEHTKKDLDGFRKLFHRFLQEKGPSVDWGKIQRPPEDSIQPYEKIKARGLPDNI
Conjugate	Biotin
Note	Preservative Free
Product Categories/Family for anti-UGP2 antibody	Antibodies; Enzymes; Phosphorylase
Applications Tested/Suitable for anti-UGP2 antibody	Western Blot (WB)
Application Notes for anti-UGP2 antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-UGP2 antibody	MBS6397976 is an antibody targeting UGP2. Also known as UGP2 (UTP--glucose-1-phosphate Uridylyltransferase, UDP-glucose Pyrophosphorylase,

Other Notes	Small volumes of anti-UGP2 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necess



Western Blot (WB) of anti-UGP2 antibody
Western Blot analysis of UGP2 expression in transfected 293T cell line by UGP2 polyclonal antibody. Lane 1: UGP2 transfected lysate (56.9kD). Lane 2: Non-transfected lysate.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for UGP2. It may not necessarily be applicable to this product.

NCBI GI #	48255966
NCBI GeneID	7360
NCBI Accession #	NP_006750.3
UniProt Primary Accession #	Q16851
UniProt Related Accession #	Q16851
GenBank Nucleotide #	NM_006759
NCBI Official Full Name	UTP--glucose-1-phosphate uridylyltransferase isoform a
NCBI Official Synonym Full Names	UDP-glucose pyrophosphorylase 2
NCBI Official Symbol	UGP2
NCBI Official Synonym Symbols	UDPG; UGP1; UDPGP; UGPP1; UGPP2; EIEE83; SVUGP2; UDPGP2; pHC379
UniProt Protein Name	UTP--glucose-1-phosphate uridylyltransferase
UniProt Synonym Protein Names	UDP-glucose pyrophosphorylase; UDPGP; UGPase
UniProt Gene Name	UGP2
UniProt Synonym Gene Names	UGP1; UDPGP; UGPase
UniProt Entry Name	UGPA_HUMAN
NCBI Protein Information	UTP--glucose-1-phosphate uridylyltransferase
NCBI Summary for UGP2	The enzyme encoded by this gene is an important intermediary in mammalian carbohydrate interconversions. It transfers a glucose moiety from glucose-1-phosphate to MgUTP and forms UDP-glucose and MgPPi. In liver and muscle tissue, UDP-glucose is a direct precursor of glycogen; in lactating mammary gland it is converted to UDP-galactose which is then converted to lactose. The eukaryotic enzyme has no significant sequence similarity to the prokaryotic enzyme. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]

UniProt Comments for UGP2	UGP2: Plays a central role as a glucosyl donor in cellular metabolic pathways. Belongs to the UDPGP type 1 family. 2 isoforms of the human protein are produced by alternative splicing. Protein type: Carbohydrate Metabolism - amino sugar and nucleotide sugar; Carbohydrate Metabolism - galactose; Carbohydrate Metabolism - pentose and glucuronate interconversions; Carbohydrate Metabolism - starch and sucrose; EC 2.7.7.9; Transferase Chromosomal Location of Human Ortholog: 2p14-p13 Cellular Component: cytoplasm; cytosol; nucleus Molecular Function: identical protein binding; protein binding; UTP:glucose-1-phosphate uridylyltransferase activity Biological Process: glycogen biosynthetic process; glycogen metabolic process; UDP-glucuronate biosynthetic process
Research Articles on UGP2	**1.** High UGP2 expression is associated with malignant pancreatic lesions.
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