

# UGP2 rabbit monoclonal antibody

Catalog # H00007360-K

Size 100 ug x up to 3

## Specification

Product Description	Rabbit monoclonal antibody raised against a human UGP2 peptide using ARM Technology.
Immunogen	A synthetic peptide of human UGP2 is used for rabbit immunization. Customer or Abnova will decide on the preferred peptide sequence.
Host	Rabbit
Library Construction	Non-fusion antibody library from rabbit spleen ( <a href="#">ARM Technology</a> ).
Expression	Overexpression vector and transfection into 293H cell line.
Reactivity	Human
Purification	Protein A
Isotype	IgG
Quality Control Testing	Antibody reactive against human UGP2 peptide by ELISA and mammalian transfected lysate by Western Blot.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Deliverable	Up to three rabbit IgG clones of 100 ug each will be delivered to customer.
Note	1. Customer may provide cell or tissue lysate for antibody screening. 2. Rabbit monoclonal antibody generated by ARM technology is amenable to antibody engineering including F(ab) <sub>2</sub> , IgG, scFv and different Fc and non-Fc conjugates per customer request.

## Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- ELISA

## Gene Info — UGP2

Entrez GeneID [7360](#)

GeneBank Accession# [UGP2](#)

Gene Name UGP2

Gene Alias UDPG, UDPGP2, UGPP2, pH379

Gene Description UDP-glucose pyrophosphorylase 2

Omim ID [191760](#)

Gene Ontology [Hyperlink](#)

**Gene Summary** 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]

**Other Designations** UDP-glucose diphosphorylase|UGPase 2|UTP--glucose-1-phosphate uridylyltransferase 2|UTP-glucose-1-phosphate uridylyltransferase|uridylyl diphosphate glucose pyrophosphorylase 2

## Pathway

- [Amino sugar and nucleotide sugar metabolism](#)
- [Galactose metabolism](#)
- [Metabolic pathways](#)
- [Pentose and glucuronate interconversions](#)
- [Starch and sucrose metabolism](#)

## Disease

- [Birth Weight](#)

- [Genetic Predisposition to Disease](#)
- [Hyperbilirubinemia](#)