

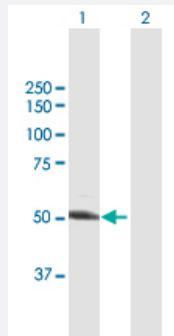
MaxPab®

UGP2 purified MaxPab mouse polyclonal antibody (B01P)

Catalog # H00007360-B01P

Size 50 ug

Applications



Western Blot (Transfected lysate)

Western Blot analysis of UGP2 expression in transfected 293T cell line ([H00007360-T01](#)) by UGP2 MaxPab polyclonal antibody.

Lane 1: UGP2 transfected lysate(56.90 KDa).

Lane 2: Non-transfected lysate.

Specification

Product Description

Mouse polyclonal antibody raised against a full-length human UGP2 protein.

Immunogen

UGP2 (NP_006750.3, 1 a.a. ~ 508 a.a) full-length human protein.

Sequence

MSRFVQDLSKAMSQDGASQFQEVIRQELELSVKKELEKILTTASSHEFEHTKKDLDGFRKLFHRRF
LQEKGPSVDWGKIQRPPEDSIQPYEKIKARGLPDNISSVLNKLVVVKLNGGLGTSMGCKGPKSLIG
VRNENTFLDLTVQQIEHLNKTNTDVPLVLMNSFNTEDETKKILQKYNHCRVKIYTFNQSRYPINKE
SLLPVAKDVSYSAGENTEAWYPPGHGDIYASFYNSGLLDTFIGEGKEYIFVSNIDNLGATVDLYILNHL
MNPPNGKRCEFVMEVTNKTRADVKGGLTQYEGKLRLVEIAQVPKAHVDEFKSVSKFKIFNTNNL
WISLAAVKRLQEQAIDMEIVNAKTLDGGLNVIQLETAVGAAIKSFENSLGINVPRSRFLPVKTTSD
LLLVMNSLYSLNAGSLTMSEKREFPTVPLVKLGSSFTKVQDYLRRFESIPDMLELDHDTVSGDVT
GKNVSLKGTVIIIANHGDRIDIPPGAVLENKIVSGNLRILDH

Host

Mouse

Reactivity

Human

Interspecies Antigen Sequence

Mouse (99); Rat (99)

Quality Control Testing

Antibody reactive against mammalian transfected lysate.

Storage Buffer

In 1x PBS, pH 7.4

Storage Instruction

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

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[Protocol Download](#)

Gene Info — UGP2

Entrez GeneID

[7360](#)

GeneBank Accession#

[NM_006759.3](#)

Protein Accession#

[NP_006750.3](#)

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](#)