

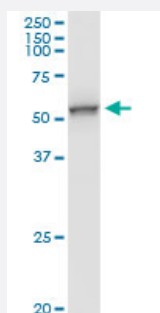
MaxPab®

UGP2 purified MaxPab rabbit polyclonal antibody (D01P)

Catalog # H00007360-D01P

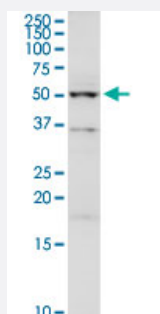
Size 100 ug

Applications



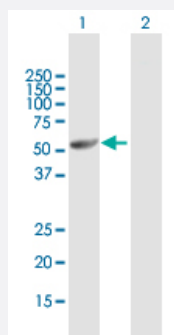
Western Blot (Tissue lysate)

UGP2 MaxPab rabbit polyclonal antibody. Western Blot analysis of UGP2 expression in human liver.



Western Blot (Cell lysate)

UGP2 MaxPab rabbit polyclonal antibody. Western Blot analysis of UGP2 expression in HepG2.

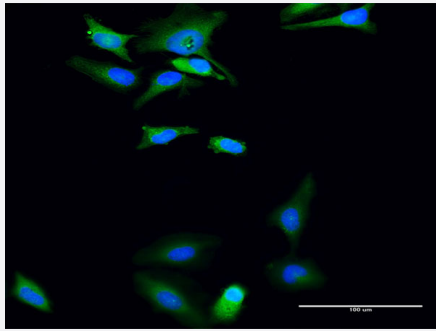


Western Blot (Transfected lysate)

Western Blot analysis of UGP2 expression in transfected 293T cell line ([H00007360-T02](#)) by UGP2 MaxPab polyclonal antibody.

Lane 1: UGP2 transfected lysate(56.90 KDa).

Lane 2: Non-transfected lysate.



Immunofluorescence

Immunofluorescence of purified MaxPab antibody to UGP2 on HeLa cell.
[antibody concentration 30 ug/ml]

Specification

Product Description	Rabbit 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	MSRFVQDLKAMSQDGASQFQEVIRQELELSVKKELEKILTTASSHEFEHTKKDLDGFRKLFHRF LQEKGPSVDWGGIKRPPEDSIQPYEKIKARGLPDNISSVLNKLVVVKLNGGLGTSMGCKGPKSLIG VRNENTFLDLTVQQIEHLNKTNTDVPLVLMNSFNTDEDTKKILQKYNHCRVKIYTFNQSRYPINKE SLLPVAKDVSYSGENTEAWYPPGHGDIASFYNSGLLDTFIGEGKEYIFVSNIDNLGATVDLYILNHL MNPPNGKRCEFVMEVTNKTRADVKGGLTQYEGKLRLVEIAQVPKAHVDEFKSVSKFKIFNTNNL WISLAAVKRLQEQAIDMEIIVNAKTLTGGLNVIQLETAVGAAIKSFENSLGINVPRSRFLPVKTTSD LLLVMNLYSLNAGSLTMSEKREFPTVPLVKLGSSFTKVQDYLRRFESIPDMLELDHLTVSGDVTF GKNVSLKGTVMIIANHGDRIDIPPGAVLENKIVSGNLRILDH
Host	Rabbit
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.

Applications

- Western Blot (Tissue lysate)

UGP2 MaxPab rabbit polyclonal antibody. Western Blot analysis of UGP2 expression in human liver.

[Protocol Download](#)

- Western Blot (Cell lysate)

UGP2 MaxPab rabbit polyclonal antibody. Western Blot analysis of UGP2 expression in HepG2.

[Protocol Download](#)

- Western Blot (Transfected lysate)

Western Blot analysis of UGP2 expression in transfected 293T cell line ([H00007360-T02](#)) by UGP2 MaxPab polyclonal antibody.

Lane 1: UGP2 transfected lysate(56.90 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Immunofluorescence

Immunofluorescence of purified MaxPab antibody to UGP2 on HeLa cell. [antibody concentration 30 ug/ml]

Gene Info — UGP2

Entrez GeneID [7360](#)

GeneBank Accession# [NM_006759](#)

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](#)