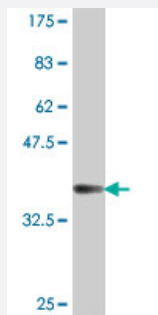


# FPGT polyclonal antibody (A01)

Catalog # H00008790-A01

Size 50 uL

## Applications



Western Blot detection against Immunogen (38.1 KDa) .

## Specification

<b>Product Description</b>	Mouse polyclonal antibody raised against a partial recombinant FPGT.
<b>Immunogen</b>	FPGT (NP_003829, 1 a.a. ~ 109 a.a) partial recombinant protein with GST tag.
<b>Sequence</b>	MAAARDPPEVSLREATQQRKLRRFSELRGKLVARGEFDIVAITAADEKQELAYNQQLSEKLKRKE LPLGVQYHVFDPAGAKIGNGGSTLCALQCLEKLYGDKWNSFTI
<b>Host</b>	Mouse
<b>Reactivity</b>	Human
<b>Interspecies Antigen Sequence</b>	Mouse (75); Rat (72)
<b>Quality Control Testing</b>	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (38.1 KDa) .
<b>Storage Buffer</b>	50 % glycerol
<b>Storage Instruction</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

## Applications

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

## Gene Info — FPGT

Entrez GeneID [8790](#)

GeneBank Accession# [NM\\_003838](#)

Protein Accession# [NP\\_003829](#)

Gene Name FPGT

Gene Alias GFPP

Gene Description fucose-1-phosphate guanylyltransferase

Omim ID [603609](#)

Gene Ontology [Hyperlink](#)

### Gene Summary

L-fucose is a key sugar in glycoproteins and other complex carbohydrates since it may be involved in many of the functional roles of these macromolecules, such as in cell-cell recognition. The fucosyl donor for these fucosylated oligosaccharides is GDP-beta-L-fucose. There are two alternate pathways for the biosynthesis of GDP-fucose; the major pathway converts GDP-alpha-D-mannose to GDP-beta-L-fucose. The protein encoded by this gene participates in an alternate pathway that is present in certain mammalian tissues, such as liver and kidney, and appears to function as a salvage pathway to reutilize L-fucose arising from the turnover of glycoproteins and glycolipids. This pathway involves the phosphorylation of L-fucose to form beta-L-fucose-1-phosphate, and then condensation of the beta-L-fucose-1-phosphate with GTP by fucose-1-phosphate guanylyltransferase to form GDP-beta-L-fucose. [provided by RefSeq]

Other Designations GDP-beta-L-fucose pyrophosphorylase|OTTHUMP00000011173|fucose-1-phosphate guanylyltransferase

## Pathway

- [Amino sugar and nucleotide sugar metabolism](#)
- [Fructose and mannose metabolism](#)
- [Metabolic pathways](#)