

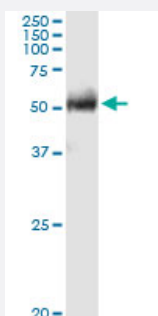
MaxPab®

## FPGT purified MaxPab rabbit polyclonal antibody (D01P)

Catalog # H00008790-D01P

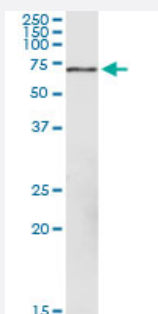
Size 100 ug

### Applications



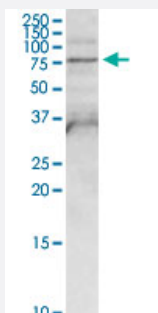
#### Western Blot (Tissue lysate)

FPGT MaxPab rabbit polyclonal antibody. Western Blot analysis of FPGT expression in human colon.



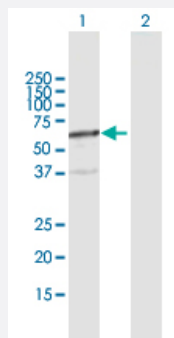
#### Western Blot (Tissue lysate)

FPGT MaxPab rabbit polyclonal antibody. Western Blot analysis of FPGT expression in mouse spleen.



#### Western Blot (Cell lysate)

FPGT MaxPab rabbit polyclonal antibody. Western Blot analysis of FPGT expression in PC-12.



## Western Blot (Transfected lysate)

Western Blot analysis of FPGT expression in transfected 293T cell line ([H00008790-T01](#)) by FPGT MaxPab polyclonal antibody.

Lane 1: FPGT transfected lysate (66.60 KDa).

Lane 2: Non-transfected lysate.

## Specification

<b>Product Description</b>	Rabbit polyclonal antibody raised against a full-length human FPGT protein.
<b>Immunogen</b>	FPGT (NP_003829.2, 1 a.a. ~ 594 a.a) full-length human protein.
<b>Sequence</b>	<p>MAAARDPPEVSLREATQQRKLRRFSELRGKLVARGEFDWDIVAITAADEKQELAYNQQLSEKLKRKE</p> <p>LPLGVQYHVFDPAGAKIGNGGSTLCALQCLEKLYGDKWNSFTILLHSGGYSQRLPNASALGKIFT</p> <p>ALPLGNPIYQMELKCLAMYIDFPLNMNPGILVTCADDIELYSIGEFEFIRFDKPGFTALAHPSSTIGTT</p> <p>HGVFVLDPFDDLKHRDLEYRSCHRFHLKPSIEKMYQFNAVCRPGNFCQQDFAGGDIADLKLDSD</p> <p>YVYTDLSLFYMDHKSAMLLAFYEKIGTLSCIDAYGDFLQALGPGATVEYTRNTSNVKEESELVEM</p> <p>RQRIFHLLKGTSLNVVVLNNSKFYHIGTTEEYLFYFTSDNSLKSELGLQSITFSIFPDIPCESGKTSCII</p> <p>QSILDSRCSVAPGSVVEYSRLGPDVSVGENCIISGSYILTKAALPAHSFVCSLSLKMNRCLKYATM</p> <p>AFGVQDNLKKS VKTLSDIKLLQFFGVCFLSCLDVWNLKVTEELFSGNKTCLSLWTARIFPVCSSL</p> <p>SDSVITSLKMLNAVKNKSAFSLNSYKLLSIEEMLYKDVEDMITYREQIFLEISLKSSLM</p>
<b>Host</b>	Rabbit
<b>Reactivity</b>	Human, Mouse, Rat
<b>Interspecies Antigen Sequence</b>	Mouse (75); Rat (72)
<b>Quality Control Testing</b>	Antibody reactive against mammalian transfected lysate.
<b>Storage Buffer</b>	In 1x PBS, pH 7.4
<b>Storage Instruction</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

## Applications

- Western Blot (Tissue lysate)

FPGT MaxPab rabbit polyclonal antibody. Western Blot analysis of FPGT expression in human colon.

[Protocol Download](#)

- Western Blot (Tissue lysate)

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- Western Blot (Cell lysate)

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- Western Blot (Transfected lysate)

Western Blot analysis of FPGT expression in transfected 293T cell line ([H00008790-T01](#)) by FPGT MaxPab polyclonal antibody.

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## Gene Info — FPGT

Entrez GeneID	<a href="#">8790</a>
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GeneBank Accession#	<a href="#">NM_003838.2</a>
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Protein Accession#	<a href="#">NP_003829.2</a>
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Gene Name	FPGT
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Gene Alias	GFPP
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Gene Description	fucose-1-phosphate guanylyltransferase
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Omim ID	<a href="#">603609</a>
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Gene Ontology	<a href="#">Hyperlink</a>
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**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](#)