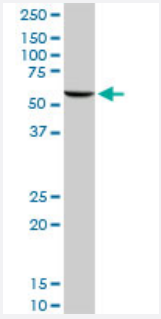
MaxPab®

# GPI purified MaxPab rabbit polyclonal antibody (D01P)

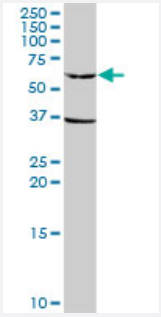
Catalog # H00002821-D01P Size 100 ug

## Applications



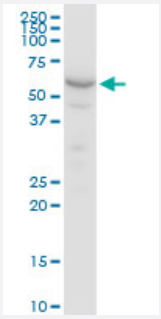

### Western Blot (Tissue lysate)

GPI MaxPab rabbit polyclonal antibody. Western Blot analysis of GPI expression in human pancreas.



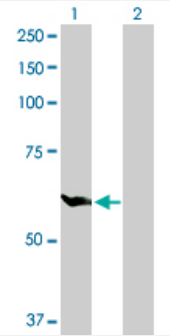

### Western Blot (Tissue lysate)

GPI MaxPab rabbit polyclonal antibody. Western Blot analysis of GPI expression in mouse kidney.




### Western Blot (Cell lysate)

GPI MaxPab rabbit polyclonal antibody. Western Blot analysis of GPI expression in HeLa.




## Western Blot (Transfected lysate)

Western Blot analysis of GPI expression in transfected 293T cell line (H00002821-T03) by GPI MaxPab polyclonal antibody.

Lane 1: GPI transfected lysate(63.10 KDa).
Lane 2: Non-transfected lysate.

## Specification

| | |
|---|---|
| **Product Description** | Rabbit polyclonal antibody raised against a full-length human GPI protein. |
| **Immunogen** | GPI (NP_000166.2, 1 a.a. ~ 558 a.a) full-length human protein. |
| **Sequence** | MAALTRDPQFQKLQQWYREHRSELNLRRLFDANKDRFNHFSLTLNTNHGHILVDYSKNLVTEDVM RMLVDLAKSRGVEAARERMFNGEKINYTEGRAVLHVALRNRSNTPILVDGKDVMPEVNKVLDKM KSFCQRVRSGDWKGYTGKTITDVINIGIGGSDLGPLMVTEALKPYSSGGPRVWYVSNIDGTHIAKTL AQLNPESSLFIIASKTFTTQETITNAETAKEWFLQAAKDPSAVAKHFVALSTNTTKVKEFGIDPQNM FEFWDWVGGRYSLWSAIGLSIALHVGFDNFEQLLSGAHWMDQHFRTTPLEKNAPVLLALLGIWYI NCFGCETHAMLPYDQYLHRFAAYFQQGDMESNGKYITKSGTRVDHQTGPIVWGEPGTNGQHAFY QLIHQGTKMIPCDFLIPVQTQHPIRKGLHHKILLANFLAQTEALMRGKSTEEARKELQAAGKSPEDL ERLLPHKVFEGNRPTNSIVFTKLTPFMLGALVAMYEHKIFVQGIIWDINSFDQWGVELGKQLAKKIE PELDGSAQVTSHDASTNGLINFIKQQREARVQ |
| **Host** | Rabbit |
| **Reactivity** | Human, Mouse |
| **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)

  GPI MaxPab rabbit polyclonal antibody. Western Blot analysis of GPI expression in human pancreas.

  Protocol Download

- Western Blot (Tissue lysate)

  GPI MaxPab rabbit polyclonal antibody. Western Blot analysis of GPI expression in mouse kidney.

  Protocol Download

- Western Blot (Cell lysate)

  GPI MaxPab rabbit polyclonal antibody. Western Blot analysis of GPI expression in HeLa.

  Protocol Download

- Western Blot (Transfected lysate)

  Western Blot analysis of GPI expression in transfected 293T cell line (H00002821-T03) by GPI MaxPab polyclonal antibody.

  Lane 1: GPI transfected lysate(63.10 KDa).
  Lane 2: Non-transfected lysate.

  Protocol Download

## Gene Info — GPI

| | |
|---|---|
| **Entrez GeneID** | 2821 |
| **GeneBank Accession#** | NM_000175.2 |
| **Protein Accession#** | NP_000166.2 |
| **Gene Name** | GPI |
| **Gene Alias** | AMF, GNPI, NLK, PGI, PHI, SA-36 |
| **Gene Description** | glucose phosphate isomerase |
| **Omim ID** | 172400 |
| **Gene Ontology** | Hyperlink |
| **Gene Summary** | This gene belongs to the GPI family whose members encode multifunctional phosphoglucose isomerase proteins involved in energy pathways. The protein encoded by this gene is a dimeric enzyme that catalyzes the reversible isomerization of glucose-6-phosphate and fructose-6-phosphate. The protein functions in different capacities inside and outside the cell. In the cytoplasm, the gene product is involved in glycolysis and gluconeogenesis, while outside the cell it functions as a neurotrophic factor for spinal and sensory neurons. Defects in this gene are the cause of nonspherocytic hemolytic anemia and a severe enzyme deficiency can be associated with hydrops fetalis, immediate neonatal death and neurological impairment. [provided by RefSeq |

| | |
|---|---|
| **Other Designations** | autocrine motility factor\|glucose-6-phosphate isomerase\|hexose monophosphate isomerase\|hexo sephosphate isomerase\|neuroleukin\|oxoisomerase\|phosphoglucose isomerase\|phosphohexomut ase\|phosphohexose isomerase\|phosphosaccharomutase\|sperm antigen-36 |

## Pathway

- Amino sugar and nucleotide sugar metabolism
- Biosynthesis of alkaloids derived from histidine and purine
- Biosynthesis of alkaloids derived from ornithine
- Biosynthesis of alkaloids derived from shikimate pathway
- Biosynthesis of alkaloids derived from terpenoid and polyketide
- Biosynthesis of phenylpropanoids
- Biosynthesis of plant hormones
- Biosynthesis of terpenoids and steroids
- Glycolysis / Gluconeogenesis
- Metabolic pathways
- Pentose phosphate pathway
- Starch and sucrose metabolism