

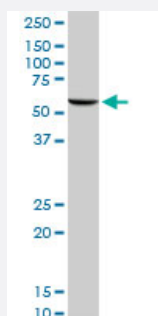
MaxPab®

GPI MaxPab rabbit polyclonal antibody (D01)

Catalog # H00002821-D01

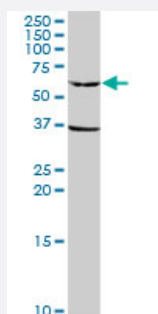
Size 100 uL

Applications



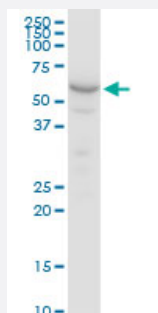
Western Blot (Tissue lysate)

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



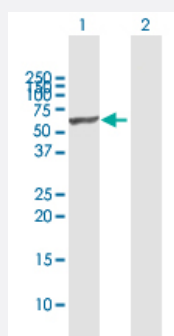
Western Blot (Tissue lysate)

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.

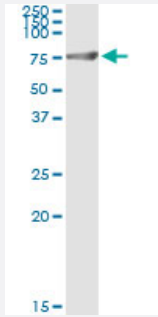


Western Blot (Transfected lysate)

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.



Immunoprecipitation

Immunoprecipitation of GPI transfected lysate using anti-GPI MaxPab rabbit polyclonal antibody and Protein A Magnetic Bead, and immunoblotted with GPI purified MaxPab mouse polyclonal antibody (B02P) ([H00002821-B02P](#)).

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	MAALTRDPQFQKLQQWYREHRSELNLRRLFDANKDRFNHFSLTNTNHHGHLVDYSKNLVTEDVM RMLVDLAKSRGVEAARERMFNGEKINYTEGRAVLHVALRNRSNTPILVDGKDVMPENVKVLDKM KSFCQVRSGDWKGYTGKTITDVINIGIGGSDLGPLMVTEALKPYSSGGPRVWVYVSNIDGTHIAKTL AQLNPESSLFIIASKTFTTQETITNAETAKEWFLQAAKDPSAVAKHFVALSTNTTKVKEFGIDPQNM FEFWDWVGGRYSLWSAIGLSIALHVGFDNFEQLLSGAHWMDQHFRTTPEKNAPVLLALLGWYI NCFGCEETHAMLPYDQYLHRFAAYFQQGDMESENGKYITKSGTRVDHQTGPVWGEPTNGQHAFY QLIHQGTKMIPCDFLIPVQQTQHPKRLHKKILLANFLAQTEALMRGKSTEEARKELQAAGKSPEDL ERLLPHKVFEGNRPTNSIVFTKLTPFMLGALVAMYEHKIFVQGIWDINSFDQWGVELGKQLAKKIE PELDGSAQVTSHDASTNGLINFIKQQREARVQ
Host	Rabbit
Reactivity	Human, Mouse
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	No additive
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](#)

- Immunoprecipitation

Immunoprecipitation of GPI transfected lysate using anti-GPI MaxPab rabbit polyclonal antibody and Protein A Magnetic Bead, and immunoblotted with GPI purified MaxPab mouse polyclonal antibody (B02P) ([H00002821-B02P](#)).

[Protocol Download](#)

Gene Info — GPI

Entrez GeneID	2821
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GeneBank Accession#	NM_000175.2
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Protein Accession#	NP_000166.2
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Gene Name	GPI
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Gene Alias	AMF, GNPI, NLK, PGI, PHI, SA-36
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Gene Description	glucose phosphate isomerase
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Omim ID	172400
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Gene Ontology	Hyperlink
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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|hexosephosphate isomerase|neuroleukin|oxoisomerase|phosphoglucose isomerase|phosphohexomutase|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](#)