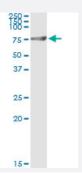


GPI (Human) IP-WB Antibody Pair

Catalog # H00002821-PW1 Size 1 Set

Applications



Immunoprecipitation of GPI transfected lysate using rabbit polyclonal anti-GPI and Protein A Magnetic Bead (<u>U0007</u>), and immunoblotted with mouse purified polyclonal anti-GPI.

| Specification | |
|-------------------------|--|
| Product Description | This IP-WB antibody pair set comes with one antibody for immunoprecipitation and another to detect the precipitated protein in western blot. |
| Reactivity | Human |
| Quality Control Testing | Immunoprecipitation-Western Blot (IP-WB) Immunoprecipitation of GPI transfected lysate using rabbit polyclonal anti-GPI and Protein A Magneti c Bead (U0007), and immunoblotted with mouse purified polyclonal anti-GPI. |
| Supplied Product | Antibody pair set content: 1. Antibody pair for IP: rabbit polyclonal anti-GPI (300 ul) 2. Antibody pair for WB: mouse purified polyclonal anti-GPI (50 ug) |
| Storage Instruction | Store reagents of the antibody pair set at -20°C or lower. Please aliquot to avoid repeated freeze tha w cycle. Reagents should be returned to -20°C storage immediately after use. |

Applications

Immunoprecipitation-Western Blot

Protocol Download



| Gene Info — GPI | |
|--------------------|---|
| Entrez GenelD | <u>2821</u> |
| Gene Name | GPI |
| Gene Alias | AMF, GNPI, NLK, PGI, PHI, SA-36 |
| Gene Description | glucose phosphate isomerase |
| Omim ID | 172400 |
| Gene Ontology | <u>Hyperlink</u> |
| Gene Summary | This gene belongs to the GPI family whose members encode multifunctional phosphoglucose iso merase proteins involved in energy pathways. The protein encoded by this gene is a dimeric enzy me 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 neuro trophic 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