

Anti-GPI Polyclonal Antibody

Product Details

Ig Type:	IgG
Reactivity:	Human,Mouse,Rat (predicted:Dog,Pig,Cow,Horse)
Molecular Weight:	Theoretical: 63 kDa. Actual: 60 kDa.
Purification:	Protein A purified

Applications

1. Paraformaldehyde-fixed, paraffin embedded (Mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (GPI) Polyclonal Antibody, Unconjugated (TMAB-06668) at 1:400 overnight at 4° C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.

2. Sample:

Lane 1: Mouse Testis tissue lysates

Lane 2: Mouse Esophagus tissue lysates

Lane 3: Rat Testis tissue lysates

Lane 4: Rat Esophagus tissue lysates

Lane 5: Human MCF-7 cell lysates

Lane 6: Human HeLa cell lysates

Lane 7: Human U251 cell lysates

Lane 8: Human HepG2 cell lysates

Primary: Anti-GPI (TMAB-06668) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 63 kDa

Observed band size: 60 kDa

Verified Activity:

Application: WB,IHC-P,IHC-Fr,IF

Recommended WB: 1:500-2000; IHC-P: 1:100-500; IHC-Fr: 1:100-500; IF: 1:100-500

Properties

Stability & Storage: Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

Antigen Details

Immunogen: KLH conjugated synthetic peptide: human Glucose 6 phosphate isomerase
Antigen Species: Human
Gene ID: 2821
Uniprot ID: P06744

Research Background

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, Jul 2008].

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481