

Anti-GPI Antibody (9J172)

Product Details

Ig Type:	Rabbit IgG
Reactivity:	Human
Conjugation:	Unconjugated
Clone:	9J172
Purification:	Affinity-chromatography

Applications

1. Western Blot

- Positive WB detected in: A549 whole cell lysate, U251 whole cell lysate, MCF7 whole cell lysate, HELA whole cell lysate, PC-3 whole cell lysate
- All lanes: Glucose 6 phosphate isomerase antibody at 1:1000
- Secondary: Goat polyclonal to rabbit IgG at 1/50000 dilution
- Predicted band size: 63 kDa
- Observed band size: 63 kDa

2. IHC image of TMAH-00505 diluted at 1:50 and staining in paraffin-embedded human prostate tissue performed on a Leica BondTM system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a Goat anti-rabbit polymer IgG labeled by HRP and visualized using 0.45% DAB.

Verified Activity:

3. IHC image of TMAH-00505 diluted at 1:50 and staining in paraffin-embedded human lung cancer performed on a Leica BondTM system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a Goat anti-rabbit polymer IgG labeled by HRP and visualized using 0.45% DAB.

4. Overlay Peak curve showing A549 cells stained with TMAH-00505 (red line) at 1:50. The cells were fixed in 4% formaldehyde and permeated by 0.2% TritonX-100. Then 10% normal goat serum to block non-specific protein-protein interactions followed by the antibody (1µg/1*10⁶ cells) for 45min at 4°C. The secondary antibody used was FITC-conjugated Goat Anti-rabbit IgG (H+L) at 1:200 dilution for 35min at 4°C. Control antibody (green line) was rabbit IgG (1µg/1*10⁶ cells) used under the same conditions. Acquisition of >10,000 events was performed.

Application: ELISA, WB, IHC, FCM

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Recommended WB:1:500-1:2000; IHC:1:50-1:200; FCM:1:50-1:200.

Properties

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

Shipping: Shipping with blue ice.

Antigen Details

Immunogen: A synthetic peptide: Human GPI

Antigen Species: Human

Gene ID: 2821

Uniprot ID: P06744

Biology Area: Neuroscience, Cancer, Immunology, Metabolism, Signal transduction

Research Background

In the cytoplasm, catalyzes the conversion of glucose-6-phosphate to fructose-6-phosphate, the second step in glycolysis, and the reverse reaction during gluconeogenesis. Besides its role as a glycolytic enzyme, also acts as a secreted cytokine: acts as an angiogenic factor (AMF) that stimulates endothelial cell motility. Acts as a neurotrophic factor, neuroleukin, for spinal and sensory neurons. It is secreted by lectin-stimulated T-cells and induces immunoglobulin secretion.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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