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Product datasheet for TA396690S

GPD1 Goat Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, WB
Recommended Dilution:	**WB**: 1:500 - 1:2,500 **ELISA**: 1:1,000 - 1:5,000
Reactivity:	Rabbit
Host:	Goat
Clonality:	Polyclonal
Immunogen:	Glycerol-3-Phosphate-Dehydrogenase [Rabbit Muscle]
Specificity:	Anti-Glycerol-3-Phosphate Dehydrogenase is an IgG fraction antibody purified from monospecific antiserum by a multi-step process which includes delipidation, salt fractionation and ion exchange chromatography followed by extensive dialysis against the buffer stated above. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Biotin, anti-Goat Serum as well as purified and partially purified Glycerol-3-Phosphate-Dehydrogenase [Rabbit Muscle]. Cross reactivity against Glycerol-3-Phosphate-Dehydrogenase from other sources is unknown.
Formulation:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Concentration:	1.0 mg/mL - lot specific
Conjugation:	Biotin
Storage:	Store vial at -20° C or below prior to opening. This vial contains a relatively low volume of reagent (25 µL). To minimize loss of volume dilute 1:10 by adding 225 µL of the buffer stated above directly to the vial. Recap, mix thoroughly and briefly centrifuge to collect the volume at the bottom of the vial. Use this intermediate dilution when calculating final dilutions as recommended below. Store the vial at -20°C or below after dilution. Avoid cycles of freezing and thawing.
Stability:	Expiration date is one (1) year from date of receipt.
Database Link:	Entrez Gene 100339469 Rabbit P08507

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Background: Anti-Glycerol-3-Phosphate Dehydrogenase recognizes the enzyme glycerol-3-phosphate dehydrogenase, a major component of lipid biosynthesis. Glyercol-3-phosphate dehydrogenase catalyzes the reduction of dihydroxyacetone phosphate (DHAP) to glycerol-3-phosphate. In addition, it assists in maintaining the redox potential across the inner mitochondrial membrane in glycolysis. Glycerol-3-phosphate dehydrogenase can be found in the cytosol and the inner mitochondrial membrane. Anti-Glycerol-3-Phosphate Dehydrogenase is ideal for investigators interested in metabolism, cancer, and cardiovascular diseases.

Synonyms: goat anti-Glycerol-3-Phosphate Dehydrogenase Antibody biotin Conjugation, biotin Conjugated goat anti-Glycerol-3-Phosphate Dehydrogenase Antibody, FLJ26652 antibody, G3PD antibody, Gdc-1 antibody, Glycerphosphate dehydrogenase antibody, GPD-C antibody, Gpd1 protein antibody

Note: Anti-Glycerol-3-Phosphate Dehydrogenase has been tested by ELISA and is assayed against 1.0 ug of Glycerol-3-Phosphate-Dehydrogenase in a standard capture ELISA using Peroxidase Conjugated Streptavidin #S000-03 and ABTS (2,2'-azino-bis-[3-ethylbenthiazoline-6-sulfonic acid]) code # ABTS-100 as a substrate for 30 minutes at room temperature. A working dilution of 1:1,000 to 1:5,000 of the reconstitution concentration is suggested for this product.