

Product datasheet for **TA396689**

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
Reconstitution Method:	Restore with deionized water (or equivalent) - Reconstitution Volume: 100 µL
Concentration:	1.0 mg/mL - lot specific
Conjugation:	Biotin
Storage:	Store vial at 4° C prior to restoration. For extended storage aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
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. Glycerol-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.