

Anti-GLYCEROL-3-PHOSPHATE DEHYDROGENASE (GOAT) Antibody Biotin Conjugated
Glycerol-3-Phosphate Dehydrogenase Antibody Biotin Conjugated
Catalog # ASR4035

Specification

**Anti-GLYCEROL-3-PHOSPHATE DEHYDROGENASE (GOAT) Antibody Biotin Conjugated -
Product Information**

Host	Goat
Conjugate	Biotin
Target Species	Rabbit
Reactivity	Rabbit
Clonality	Polyclonal
Application	WB, E, I, LCI
Application 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.
Physical State	Lyophilized
Buffer	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Immunogen	Glycerol-3-Phosphate-Dehydrogenase [Rabbit Muscle]
Reconstitution Volume	100 µL
Reconstitution Buffer	Restore with deionized water (or equivalent)
Stabilizer	10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free
Preservative	0.01% (w/v) Sodium Azide

**Anti-GLYCEROL-3-PHOSPHATE DEHYDROGENASE (GOAT) Antibody Biotin Conjugated -
Additional Information**

Other Names
100339469

Purity

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.

Storage Condition

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.

Precautions Note

This product is for research use only and is not intended for therapeutic or diagnostic applications.

Anti-GLYCEROL-3-PHOSPHATE DEHYDROGENASE (GOAT) Antibody Biotin Conjugated - Protein Information

Name GPD1

Function

Has glycerol-3-phosphate dehydrogenase activity.

Cellular Location

Cytoplasm {ECO:0000250|UniProtKB:P21695}.

Anti-GLYCEROL-3-PHOSPHATE DEHYDROGENASE (GOAT) Antibody Biotin Conjugated - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-GLYCEROL-3-PHOSPHATE DEHYDROGENASE (GOAT) Antibody Biotin Conjugated - Images

Anti-GLYCEROL-3-PHOSPHATE DEHYDROGENASE (GOAT) Antibody Biotin Conjugated - 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.