

Anti-BETA-PHOSPHOGLUCOMUTASE (GOAT) Antibody Biotin Conjugated
Beta-Phosphoglucomutase Antibody Biotin Conjugated
Catalog # ASR4057**Specification**

Anti-BETA-PHOSPHOGLUCOMUTASE (GOAT) Antibody Biotin Conjugated - Product Information

Host	Goat
Conjugate	Biotin
Target Species	Lactococcus lacti
Clonality	Polyclonal
Application	WB, E, I, LCI
Application Note	Anti-Beta-Phosphoglucomutase Biotin has been tested by ELISA and western blot. This product is assayed against 1.0 ug of Beta-Phosphoglucomutase 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 1:10,000 to 1:50,000 is suggested for this product.
Physical State	Lyophilized
Buffer	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Immunogen	beta Phosphoglucomutase [Lactococcus lacti]
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-BETA-PHOSPHOGLUCOMUTASE (GOAT) Antibody Biotin Conjugated - Additional Information**Other Names**

1114041

Purity

Anti-Beta-Phosphoglucomutase 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 Beta-Phosphoglucomutase [Lactococcus lacti]. Cross reactivity against Beta-Phosphoglucomutase 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-BETA-PHOSPHOGLUCOMUTASE (GOAT) Antibody Biotin Conjugated - Protein Information

Name pgmB {ECO:0000303|PubMed:9084169}

Function

Catalyzes the interconversion of D-glucose 1-phosphate (G1P) and D-glucose 6-phosphate (G6P), forming beta-D-glucose 1,6- (bis)phosphate (beta-G16P) as an intermediate. The beta-phosphoglucomutase (Beta-PGM) acts on the beta-C(1) anomer of G1P. Glucose or lactose are used in preference to maltose, which is only utilized after glucose or lactose has been exhausted. It plays a key role in the regulation of the flow of carbohydrate intermediates in glycolysis and the formation of the sugar nucleotide UDP-glucose.

Cellular Location

Cytoplasm.

Anti-BETA-PHOSPHOGLUCOMUTASE (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-BETA-PHOSPHOGLUCOMUTASE (GOAT) Antibody Biotin Conjugated - Images**Anti-BETA-PHOSPHOGLUCOMUTASE (GOAT) Antibody Biotin Conjugated - Background**

Anti-Beta-Phosphoglucomutase antibody is located in the cytoplasm, working to catalyze the transference of a phosphoryl group on a glucose or lactose monomer from the 1' to the 6' position in the forward direction or 6' to the 1' position in the reverse direction.

Anti-Beta-Phosphoglucomutase is essential to regulating the flow of carbohydrate intermediates in glycolysis as well as the formation of the sugar nucleotide UDP-glucose. Part of the HAD-like hydrolase superfamily, Anti-Beta-Phosphoglucomutase antibody is ideal for researchers interested in Metabolism research.