

Anti-GLUCOSE-6-PHOSPHATE DEHYDROGENASE (GOAT) Antibody
Glucose-6-Phosphate Dehydrogenase Antibody
Catalog # ASR4069

Specification

Anti-GLUCOSE-6-PHOSPHATE DEHYDROGENASE (GOAT) Antibody - Product Information

Host	Goat
Conjugate	Unconjugated
Target Species	Leuconostoc mesenteroides
Clonality	Polyclonal
Application	WB, E, I, LCI
Application Note	Anti-Glucose-6-Phosphate Dehydrogenase Antibody has been tested by western blot and is suitable to be assayed against 1.0 ug of Glucose-6-Phosphate Dehydrogenase [Leuconostoc mesenteroides] in a standard ELISA using Peroxidase conjugated Affinity Purified anti-Goat IgG [H&L] (Rabbit) code #605-4302 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. Researchers should determine optimal titers for other applications.
Physical State	Lyophilized
Buffer	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Immunogen	Glucose-6-Phosphate Dehydrogenase [Leuconostoc mesenteroides]
Reconstitution Volume	100 µL
Reconstitution Buffer	Restore with deionized water (or equivalent)
Preservative	0.01% (w/v) Sodium Azide

Anti-GLUCOSE-6-PHOSPHATE DEHYDROGENASE (GOAT) Antibody - Additional Information

Other Names
6063509

Purity

Anti-GLUCOSE-6-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-Goat Serum as well as purified and partially purified Glucose-6-Phosphate Dehydrogenase [Leuconostoc mesenteroides]. Cross reactivity against Glucose-6-Phosphate Dehydrogenase from other tissues and species may occur but have not been specifically determined.

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-GLUCOSE-6-PHOSPHATE DEHYDROGENASE (GOAT) Antibody - Protein Information

Name zwf {ECO:0000255|HAMAP-Rule:MF_00966}

Function

Catalyzes the oxidation of glucose 6-phosphate to 6- phosphogluconolactone. Can utilize either NADP(+) or NAD(+).

Anti-GLUCOSE-6-PHOSPHATE DEHYDROGENASE (GOAT) Antibody - 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-GLUCOSE-6-PHOSPHATE DEHYDROGENASE (GOAT) Antibody - Images**Anti-GLUCOSE-6-PHOSPHATE DEHYDROGENASE (GOAT) Antibody - Background**

Glucose-6-Phosphate Dehydrogenase catalyzes the oxidation of glucose 6-phosphate to 6-phosphogluconolactone. It can utilize either NADP+ or NAD+. This protein is involved in step 1 of the subpathway that synthesizes D-ribulose 5-phosphate from D-glucose 6-phosphate (oxidative stage).