

Anti-SUCROSE PHOSPHORYLASE (E.coli) (GOAT) Antibody Peroxidase Conjugated
Sucrose Phosphorylase Antibody Peroxidase Conjugated
Catalog # ASR4000**Specification****Anti-SUCROSE PHOSPHORYLASE (E.coli) (GOAT) Antibody Peroxidase Conjugated -
Product Information**

Host	Goat
Conjugate	Peroxidase (Horseradish)
Target Species	Escherichia coli
Reactivity	E. coli
Clonality	Polyclonal
Application	WB, E, IP, I, LCI
Application Note	Anti-Sucrose Phosphorylase has been assayed against 1.0 µg of Sucrose Phosphorylase [E.coli] in a standard capture ELISA using 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	Sucrose Phosphorylase [E.coli]
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) Gentamicin Sulfate. Do NOT add Sodium Azide!

**Anti-SUCROSE PHOSPHORYLASE (E.coli) (GOAT) Antibody Peroxidase Conjugated -
Additional Information****Gene ID** 945659**Other Names**

4492194

Purity

Sucrose Phosphorylase 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-Peroxidase, anti-Goat Serum as well as purified and partially purified Sucrose Phosphorylase [E.coli]. Cross reactivity against Sucrose Phosphorylase 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-SUCROSE PHOSPHORYLASE (E.coli) (GOAT) Antibody Peroxidase Conjugated - Protein Information

Name ycjM

Synonyms ggaP

Function

Catalyzes the reversible phosphorolysis of glucosylglycerate into alpha-D-glucose 1-phosphate (Glc1P) and D-glycerate (also called (R)-glycerate) (PubMed:28754708, PubMed:29684280). May be a regulator of intracellular levels of glucosylglycerate, a compatible solute that primarily protects organisms facing salt stress and very specific nutritional constraints (PubMed:28754708). Cannot catalyze the phosphorolysis of sucrose (PubMed:28754708). Does not act on other sugars such as alpha-D-galactose 1-phosphate, alpha-D-mannose 1-phosphate or beta-D-glucose 1-phosphate; in vitro D-erythronate can substitute for D-glycerate with a much lower efficiency (PubMed:29684280).

Anti-SUCROSE PHOSPHORYLASE (E.coli) (GOAT) Antibody Peroxidase 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-SUCROSE PHOSPHORYLASE (E.coli) (GOAT) Antibody Peroxidase Conjugated - Images**Anti-SUCROSE PHOSPHORYLASE (E.coli) (GOAT) Antibody Peroxidase Conjugated - Background**

Sucrose Phosphorylase is an important enzyme in the metabolism of sucrose and regulation of other metabolic intermediates. Sucrose phosphorylase is in the class of hexosyltransferases. It has been shown in multiple experiments that the enzyme catalyzes this conversion by a double displacement mechanism.