

**Anti-SUCROSE PHOSPHORYLASE (E.coli) (GOAT) Antibody**  
**Sucrose Phosphorylase Antibody**  
**Catalog # ASR3936****Specification**

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**Anti-SUCROSE PHOSPHORYLASE (E.coli) (GOAT) Antibody - Product Information**

Host	Goat
Conjugate	Unconjugated
Target Species	Escherichia coli
Reactivity	E. coli
Clonality	Polyclonal
Application	WB, E, IP, I, LCI
Application Note	Anti-Sucrose phosphorylase Antibody has been tested by western blot and is suitable to be assayed against 1.0 µg of Sucrose Phosphorylase [E.coli] in a standard ELISA using Peroxidase conjugated Affinity Purified anti-Goat IgG [H&L] (Goat) code #611-1302 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 1:6,500 to 1:32,000 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)
Preservative	0.01% (w/v) Sodium Azide

**Anti-SUCROSE PHOSPHORYLASE (E.coli) (GOAT) Antibody - Additional Information****Gene ID** 945659**Other Names**  
4492194**Purity**

Anti-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-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 - 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:<a href="http://www.uniprot.org/citations/28754708" target="\_blank">28754708</a>, PubMed:<a href="http://www.uniprot.org/citations/29684280" target="\_blank">29684280</a>). 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:<a href="http://www.uniprot.org/citations/28754708" target="\_blank">28754708</a>). Cannot catalyze the phosphorolysis of sucrose (PubMed:<a href="http://www.uniprot.org/citations/28754708" target="\_blank">28754708</a>). 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:<a href="http://www.uniprot.org/citations/29684280" target="\_blank">29684280</a>).

### Anti-SUCROSE PHOSPHORYLASE (E.coli) (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-SUCROSE PHOSPHORYLASE (E.coli) (GOAT) Antibody - Images

### Anti-SUCROSE PHOSPHORYLASE (E.coli) (GOAT) Antibody - Background

Sucrose phosphorylase catalyzes as Sucrose + phosphate = D-fructose + alpha-D-glucose 1-phosphate.