

Anti-GLUTAMINE SYNTHETASE (Microbial Brevibacterium Sp) (GOAT) Antibody
Glutamine Synthetase Antibody
Catalog # ASR3627**Specification****Anti-GLUTAMINE SYNTHETASE (Microbial Brevibacterium Sp) (GOAT) Antibody - Product Information**

Host	Goat
Conjugate	Unconjugated
Target Species	Microbial
Clonality	Polyclonal
Application	WB, E, IP, I, LCI
Application Note	Anti-Glutamine Synthetase has been tested by western blot and is suitable to be assayed against 1.0 ug of Glutamine Synthetase [Microbial] 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 1:10,000 to 1:40,000 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	Glutamine Synthetase [native from brevibacterium species]
Reconstitution Volume	2.0 mL
Reconstitution Buffer	Restore with deionized water (or equivalent)
Preservative	0.01% (w/v) Sodium Azide

Anti-GLUTAMINE SYNTHETASE (Microbial Brevibacterium Sp) (GOAT) Antibody - Additional Information**Other Names**
3345165**Purity**

This product was prepared from monospecific antiserum by a delipidation and defibrination. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-goat serum, purified and partially purified Glutamine Synthetase [Microbial]. Cross reactivity against Glutamine Synthetase 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.

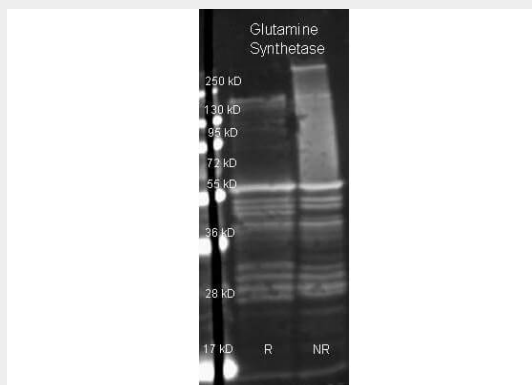
Anti-GLUTAMINE SYNTHETASE (Microbial Brevibacterium Sp) (GOAT) Antibody - Protein Information

Anti-GLUTAMINE SYNTHETASE (Microbial Brevibacterium Sp) (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-GLUTAMINE SYNTHETASE (Microbial Brevibacterium Sp) (GOAT) Antibody - Images



Rockland Goat anti Glutamine Synthetase antibody (200-101-238 lot 8182) was used to detect Glutamine Synthetase under reducing (R) and non-reducing (NR) conditions. Reduced samples of purified target proteins contained 4% BME and were boiled for 5 minutes. Samples of ~1ug of protein per lane were run by SDS-PAGE. Protein was transferred to nitrocellulose and probed with 1:3000 dilution of primary antibody (ON 4 C in MB-070). Detection shown was using Dylight 649 conjugated Donkey anti goat (605-743-125 lot 20834 1:10K in TBS/MB-070) 1 hr RT. Images were collected using the BioRad VersaDoc System.

Anti-GLUTAMINE SYNTHETASE (Microbial Brevibacterium Sp) (GOAT) Antibody - Background

Catalytic activity of Glutamine Synthetase is $\text{ATP} + \text{L-glutamate} + \text{NH}_3 = \text{ADP} + \text{phosphate} + \text{L-glutamine}$.