

**Anti-GLUTAMINE SYNTHETASE (Microbial) (GOAT) Antibody Peroxidase Conjugated
Glutamine Synthetase Antibody Peroxidase Conjugated
Catalog # ASR4010****Specification****Anti-GLUTAMINE SYNTHETASE (Microbial) (GOAT) Antibody Peroxidase Conjugated -
Product Information**

Host	Goat
Conjugate	Peroxidase (Horseradish)
Target Species	Microbial
Clonality	Polyclonal
Application	WB, E, IP, I, LCI
Application Note	Anti-Glutamine Synthetase has been assayed against 1.0 ug of Glutamine Synthetase [Microbial] 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 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 <i>brevibacterium</i> species]
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-GLUTAMINE SYNTHETASE (Microbial) (GOAT) Antibody Peroxidase Conjugated -
Additional Information****Other Names**
3345165**Purity**

Glutamine Synthetase 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 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) (GOAT) Antibody Peroxidase Conjugated - Protein Information**Anti-GLUTAMINE SYNTHETASE (Microbial) (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-GLUTAMINE SYNTHETASE (Microbial) (GOAT) Antibody Peroxidase Conjugated - Images**Anti-GLUTAMINE SYNTHETASE (Microbial) (GOAT) Antibody Peroxidase Conjugated - Background**

Glutamine Synthetase catalyzes the ATP-dependent condensation of glutamate with ammonia to yield glutamine. Glutamine Synthetase is present predominantly in the brain, kidneys, and liver. In the brain it participates in the metabolic regulation of glutamate, the detoxification of brain ammonia, the assimilation of ammonia, recyclization of neurotransmitters, and termination of neurotransmitter signals. Glutamine Synthetase, in the brain, is found primarily in astrocytes.