

Glutamine synthetase antibody

Cat. No. GTX109121

| | |
|--------------|---------------------------------------|
| Host | Rabbit |
| Clonality | Polyclonal |
| Isotype | IgG |
| Applications | WB, ICC/IF, IHC-P, IHC-Fr, IHC-Wm, IP |
| Reactivity | Human, Mouse, Rat, Zebrafish |

References (16)

 Review (1)

Package

100 µl, 25 µl

Applications

Application Note

*Optimal dilutions/concentrations should be determined by the researcher.

| Suggested dilution | Recommended dilution |
|--------------------|----------------------|
| WB | 1:5000-1:20000 |
| ICC/IF | 1:100-1:1000 |
| IHC-P | 1:100-1:1000 |
| IHC-Fr | 1:100-1:1000 |
| IHC-Wm | Assay dependent |
| IP | 1:100-1:500 |

Not tested in other applications.

Calculated MW 42 kDa. ([Note](#))

Properties

| | |
|---------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Form | Liquid |
| Buffer | PBS, 20% Glycerol |
| Preservative | 0.025% ProClin 300 |
| Storage | Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles. |
| Concentration | 0.72 mg/ml (Please refer to the vial label for the specific concentration.) |
| Immunogen | Full length human Glutamine synthetase Recombinant protein. |
| Purification | Purified by antigen-affinity chromatography. |
| Conjugation | Unconjugated |



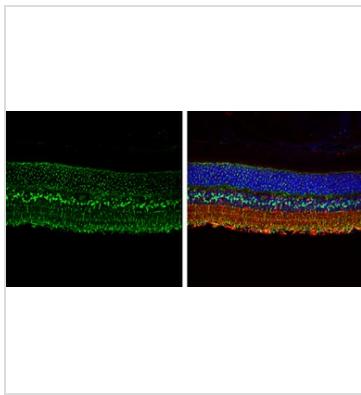
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Note

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DATA IMAGES**GTX109121 IHC-P Image**

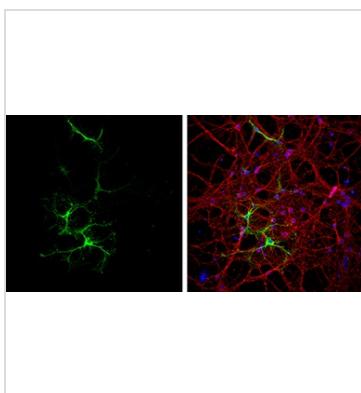
Glutamine synthetase antibody detects Glutamine synthetase protein expression by immunohistochemical analysis.

Sample: Paraffin-embedded adult mouse retina.

Green: Glutamine synthetase protein stained by Glutamine synthetase antibody (GTX109121) diluted at 1:250.

Red: beta Tubulin 3/ TUJ1, stained by beta Tubulin 3/ TUJ1 antibody [GT11710] (GTX631836) diluted at 1:250.

Blue: Fluoroshield with DAPI (GTX30920).

**GTX109121 ICC/IF Image**

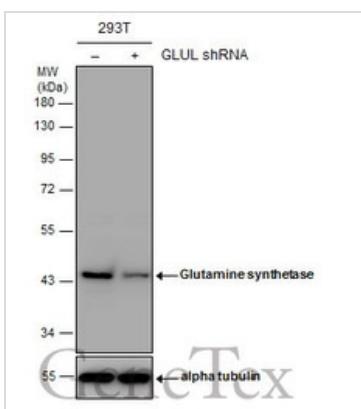
Glutamine synthetase antibody detects Glutamine synthetase protein at astrocytes by immunofluorescent analysis.

Sample: DIV9 rat E18 primary cortical neurons were fixed in 4% paraformaldehyde at RT for 15 min.

Green: Glutamine synthetase protein stained by Glutamine synthetase antibody (GTX109121) diluted at 1:500.

Red: beta Tubulin 3/ Tuj1, a neuron cell marker, stained by beta Tubulin 3/ Tuj1 antibody [GT11710] (GTX631836) diluted at 1:500.

Blue: Fluoroshield with DAPI (GTX30920).

**GTX109121 WB Image**

Non-transfected (-) and transfected (+) 293T whole cell extracts (30 µg) were separated by 10% SDS-PAGE, and the membrane was blotted with Glutamine synthetase antibody (GTX109121) diluted at 1:1000. The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody.



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