

# Glutamine synthetase antibody

**Cat. No. GTX109121**

<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG
<b>Applications</b>	WB, ICC/IF, IHC-P, IHC-Fr, IHC-Wm, IP
<b>Reactivity</b>	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

<b>Form</b>	Liquid
<b>Buffer</b>	PBS, 20% Glycerol
<b>Preservative</b>	0.025% ProClin 300
<b>Storage</b>	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.
<b>Concentration</b>	0.72 mg/ml (Please refer to the vial label for the specific concentration.)
<b>Immunogen</b>	Full length human Glutamine synthetase Recombinant protein.
<b>Purification</b>	Purified by antigen-affinity chromatography.
<b>Conjugation</b>	Unconjugated



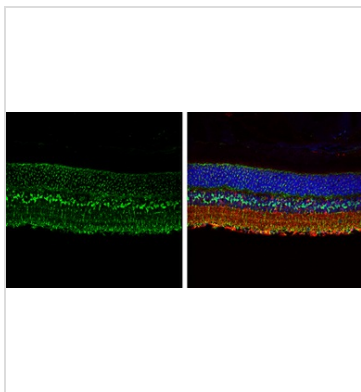
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Date 2026 / 02 / 02 Page 1 of 2

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**Note**

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**DATA IMAGES**

**GTX109121 IHC-P Image**

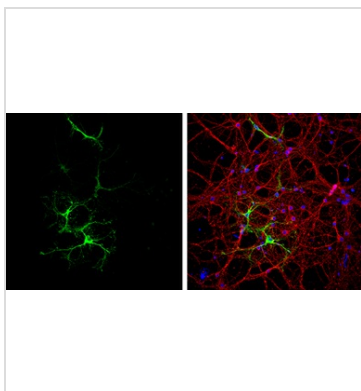
Glutamine synthetase antibody detects Glutamine synthetase protein expression by immunohistochemical analysis.

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**

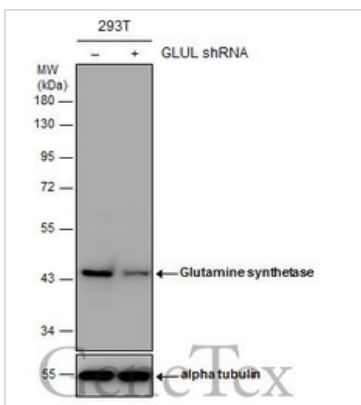
Glutamine synthetase antibody detects Glutamine synthetase protein at astrocytes by immunofluorescent analysis.

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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