

# Product Datasheet

## Glutamine Synthetase Antibody (7711) - Azide and BSA Free **NBP2-43826**

Unit Size: 0.1 ml

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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**NBP2-43826**

## Glutamine Synthetase Antibody (7711) - Azide and BSA Free

**Product Information**

<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	7711
<b>Preservative</b>	No Preservative
<b>Isotype</b>	IgG1
<b>Purity</b>	Protein G purified
<b>Buffer</b>	PBS
<b>Target Molecular Weight</b>	42 kDa

**Product Description**

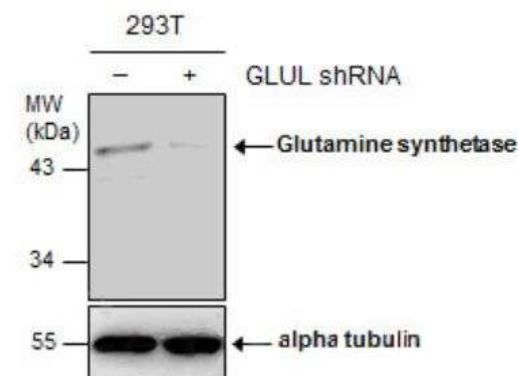
<b>Description</b>	Novus Biologicals Mouse Glutamine Synthetase Antibody (7711) - Azide and BSA Free (NBP2-43826) is a monoclonal antibody validated for use in IHC, WB and ICC/IF. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Mouse
<b>Gene ID</b>	2752
<b>Gene Symbol</b>	GLUL
<b>Species</b>	Human, Mouse, Rat
<b>Immunogen</b>	Full length human Glutamine Synthetase Recombinant protein.

**Product Application Details**

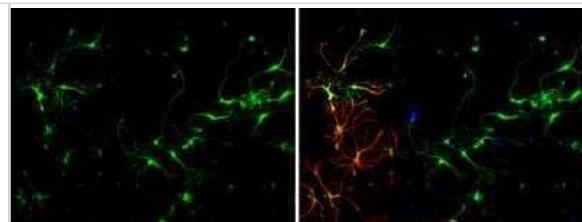
<b>Applications</b>	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen
<b>Recommended Dilutions</b>	Western Blot 1:500-1:3000, Immunohistochemistry 1:100-1:1000, Immunocytochemistry/ Immunofluorescence 1:100-1:1000, Immunohistochemistry-Frozen 1:100-1:1000

**Images**

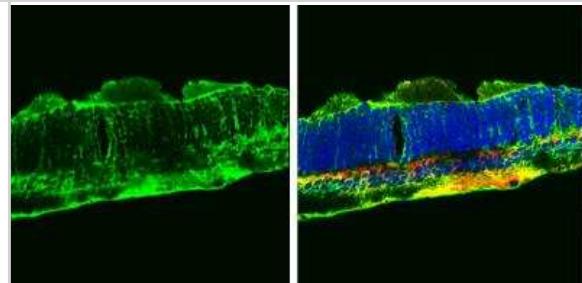
Western Blot: Glutamine Synthetase Antibody (7711) [NBP2-43826] - Non-transfected (-) and transfected (+) 293T whole cell extracts (30 ug) were separated by 10% SDS-PAGE, and the membrane was blotted with Glutamine synthetase antibody (7711) diluted at 1:500.



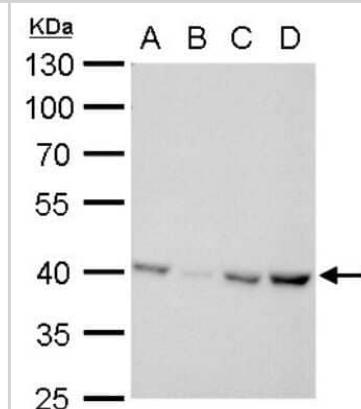
Immunocytochemistry/Immunofluorescence: Glutamine Synthetase Antibody (7711) [NBP2-43826] - Cultured rat E18 primary cortical neuron, DIV 8. Cells were fixed in 4% paraformaldehyde at RT for 15 min. Green: Glutamine synthetase protein stained by Glutamine synthetase antibody [7711] diluted at 1:250. Red: GFAP, stained by GFAP antibody diluted at 1:250. Blue: Fluoroshield with DAPI.



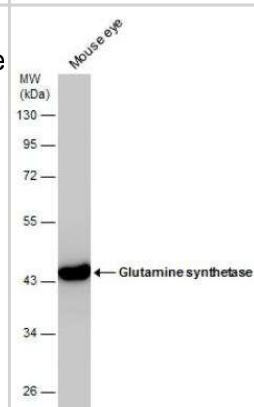
Immunohistochemistry-Frozen: Glutamine Synthetase Antibody (7711) [NBP2-43826] - Frozen sectioned adult mouse retina. Green: Glutamine synthetase protein stained by Glutamine synthetase antibody [7711] diluted at 1:250. Red: PKC alpha protein stained by PKC alpha antibody diluted at 1:250. Blue: Fluoroshield with DAPI.



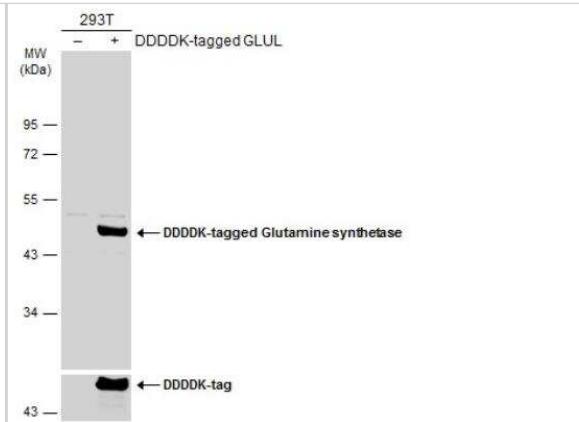
Western Blot: Glutamine Synthetase Antibody (7711) [NBP2-43826] - Analysis of A. 30 ug 293T whole cell lysate/extract B. 30 ug A431 whole cell lysate/extract C. 30 ug HeLa whole cell lysate/extract D. 30 ug HepG2 whole cell lysate/extract 10 % SDS-PAGE Glutamine synthetase antibody [7711] dilution: 1:1000



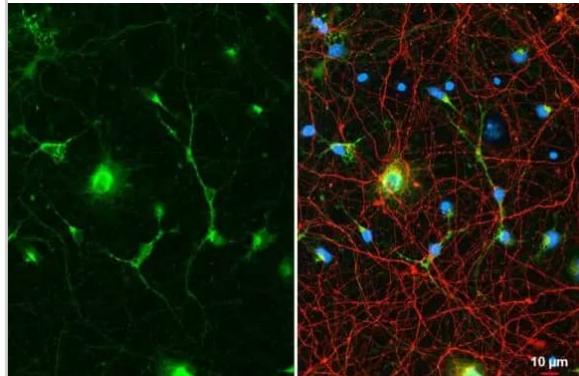
Western Blot: Glutamine Synthetase Antibody (7711) [NBP2-43826] - Mouse tissue extract (50 ug) was separated by 10% SDS-PAGE, and the membrane was blotted with Glutamine synthetase antibody diluted at 1:1000.



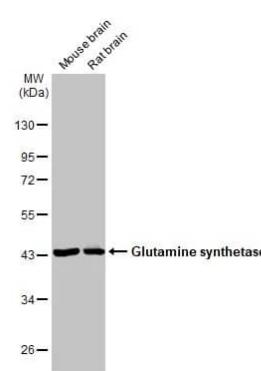
Western Blot: Glutamine Synthetase Antibody (7711) [NBP2-43826] - Non-transfected (-) and transfected (+) 293T whole cell extracts (30 ug) were separated by 10% SDS-PAGE, and the membrane was blotted with Glutamine synthetase antibody [7711] diluted at 1:1000. The HRP-conjugated anti-mouse IgG antibody (NBP2-19382) was used to detect the primary antibody.



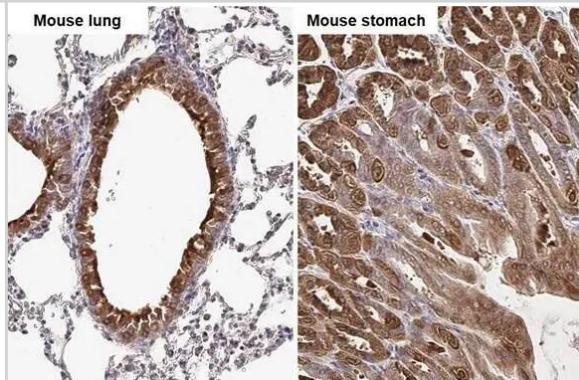
Immunocytochemistry/ Immunofluorescence: Glutamine Synthetase Antibody (7711) [NBP2-43826] - Glutamine Synthetase antibody [GT7711] detects Glutamine Synthetase protein in glial cells by immunofluorescent analysis. Sample: DIV10 rat E18 primary cortical neuron & glia cells were fixed in 4% paraformaldehyde at RT for 15 min. Green: Glutamine Synthetase stained by Glutamine Synthetase antibody [GT7711] (NBP2-43826) diluted at 1:500. Red: Tau, a Tau marker, stained by Tau antibody diluted at 1:500. Blue: Fluoroshield with DAPI.



Western Blot: Glutamine Synthetase Antibody (7711) [NBP2-43826] - Various tissue extracts (50 ug) were separated by 10% SDS-PAGE, and the membrane was blotted with Glutamine Synthetase antibody [GT7711] (NBP2-43826) diluted at 1:250000. The HRP-conjugated anti-mouse IgG antibody was used to detect the primary antibody.



Immunohistochemistry-Paraffin: Glutamine Synthetase Antibody (7711) [NBP2-43826] - Glutamine Synthetase antibody [GT7711] detects Glutamine Synthetase protein by immunohistochemical analysis. Sample: Paraffin-embedded mouse tissues. Glutamine Synthetase stained by Glutamine Synthetase antibody [GT7711] (NBP2-43826) diluted at 1:200. Antigen Retrieval: Citrate buffer, pH 6.0, 15 min





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## Products Related to NBP2-43826

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)
NBP2-52376-0.02mg	Recombinant Human Glutamine Synthetase Protein

## Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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