

# Product Datasheet

## **GAD1/GAD67 Antibody** **NBP3-48499**

Unit Size: 100 ul

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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Updated 9/25/2025 v.20.1

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**NBP3-48499****GAD1/GAD67 Antibody****Product Information**

<b>Unit Size</b>	100 ul
<b>Concentration</b>	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	0.025% Proclin 300
<b>Isotype</b>	IgG
<b>Purity</b>	Antigen Affinity-purified
<b>Buffer</b>	PBS, 1% BSA, 20% Glycerol

**Product Description**

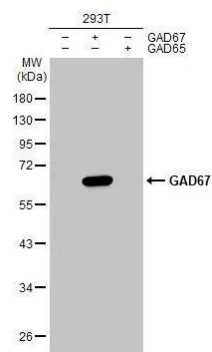
<b>Description</b>	Novus Biologicals Rabbit GAD1/GAD67 Antibody (NBP3-48499) is a polyclonal antibody validated for use in IHC, WB and ICC/IF. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Rabbit
<b>Gene ID</b>	2571
<b>Gene Symbol</b>	GAD1
<b>Species</b>	Human, Mouse, Rat
<b>Immunogen</b>	Recombinant protein encompassing a sequence within the center region of human GAD65/67. The exact sequence is proprietary.

**Product Application Details**

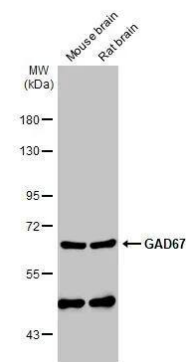
<b>Applications</b>	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen
<b>Recommended Dilutions</b>	Western Blot 1:500-1:3000, Immunohistochemistry, Immunocytochemistry/Immunofluorescence 1:100-1:1000, Immunohistochemistry-Paraffin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

**Images**

Non-transfected (-) and transfected (+) 293T whole cell extracts (30 ug) were separated by 10% SDS-PAGE, and the membrane was blotted with GAD1/GAD67 antibody (NBP3-48499) diluted at 1:5000. The HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody.



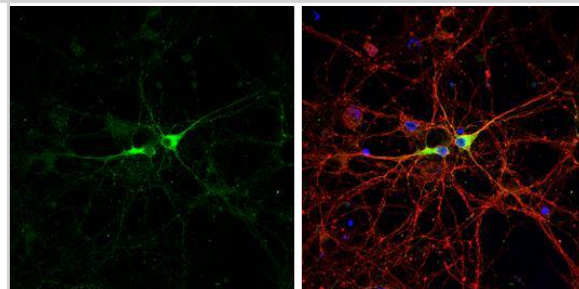
Various tissue extracts (50 ug) were separated by 7.5% SDS-PAGE, and the membrane was blotted with GAD1/GAD67 antibody (NBP3-48499) diluted at 1:2000. The HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody.



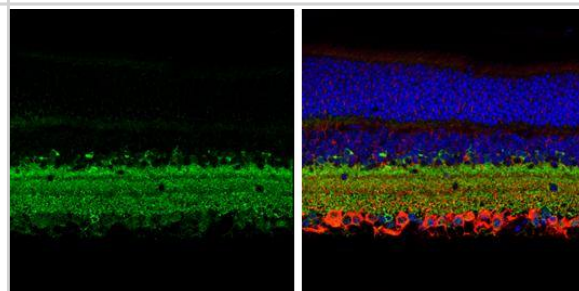
GAD1/GAD67 antibody detects GAD1/GAD67 protein at cell membrane and cytoplasm by immunohistochemical analysis. Sample: Paraffin-embedded rat brain. GAD1/GAD67 stained by GAD1/GAD67 antibody (NBP3-48499) diluted at 1:50. Antigen Retrieval: Citrate buffer, pH 6.0, 15 min



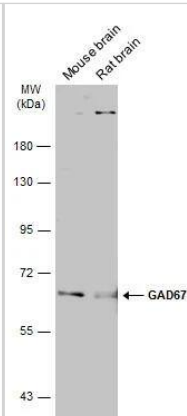
GAD1/GAD67 antibody detects GAD1/GAD67 protein by immunofluorescent analysis. Sample: DIV9 rat E18 primary cortical neurons were fixed in 4% paraformaldehyde at RT for 15 min. Green: GAD1/GAD67 protein stained by GAD1/GAD67 antibody (NBP3-48499) diluted at 1:500. Red: beta Tubulin 3/ Tuj1, stained by beta Tubulin 3/ Tuj1 antibody [GT886] diluted at 1:500. Blue: Fluoroshield with DAPI .



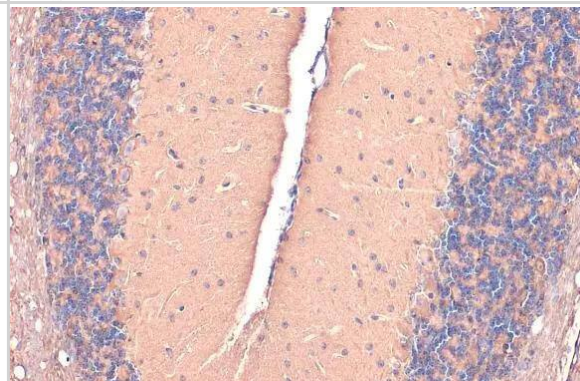
GAD1/GAD67 antibody detects GAD1/GAD67 protein expression by immunohistochemical analysis. Sample: Paraffin-Embedded adult mouse retina. Green: GAD1/GAD67 protein stained by GAD1/GAD67 antibody (NBP3-48499) diluted at 1:250. Red: beta Tubulin 3/ TUJ1, stained by beta Tubulin 3/ TUJ1 antibody [GT11710] diluted at 1:250. Blue: Fluoroshield with DAPI . Antigen Retrieval: Citrate buffer, pH 6.0, 15 min



Various tissue extracts (50 ug) were separated by 7.5% SDS-PAGE, and the membrane was blotted with GAD1/GAD67 antibody (NBP3-48499) diluted at 1:500. The HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody, and the signal was developed with Trident ECL plus-Enhanced.



GAD1/GAD67 antibody detects GAD1/GAD67 protein at cell membrane and cytoplasm by immunohistochemical analysis. Sample: Paraffin-embedded mouse brain. GAD1/GAD67 stained by GAD1/GAD67 antibody (NBP3-48499) diluted at 1:50. Antigen Retrieval: Citrate buffer, pH 6.0, 15 min





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### **Products Related to NBP3-48499**

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HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NBP2-51849-0.1mg	Recombinant Human GAD1/GAD67 His Protein

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### **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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