

# Product Datasheet

## **GAD1/GAD67 Antibody (HL1095) - Azide and BSA Free NBP3-25474**

Unit Size: 100 ul

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

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**NBP3-25474**

GAD1/GAD67 Antibody (HL1095) - Azide and BSA Free

**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>	Monoclonal
<b>Clone</b>	HL1095
<b>Preservative</b>	No Preservative
<b>Isotype</b>	IgG
<b>Purity</b>	Protein A purified
<b>Buffer</b>	PBS

**Product Description**

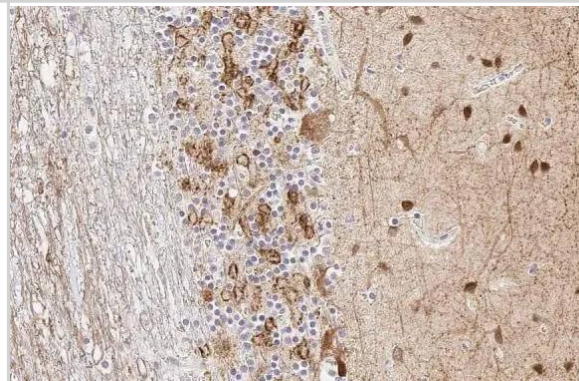
<b>Host</b>	Rabbit
<b>Gene ID</b>	2571
<b>Gene Symbol</b>	GAD1
<b>Species</b>	Human, Mouse, Rat, Canine, Feline
<b>Immunogen</b>	Recombinant protein encompassing a sequence within the center region of human GAD1/GAD67. The exact sequence is proprietary.

**Product Application Details**

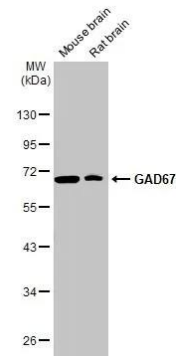
<b>Applications</b>	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/Immunofluorescence, Immunohistochemistry
<b>Recommended Dilutions</b>	Western Blot, Immunohistochemistry, Immunocytochemistry/Immunofluorescence 1:100-1:1000, Immunohistochemistry-Paraffin

**Images**

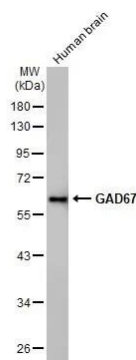
Immunohistochemistry-Paraffin: GAD1/GAD67 Antibody (HL1095) - Azide and BSA Free [NBP3-25474] - GAD67 antibody [HL1095] detects GAD67 protein at cell membrane and cytoplasm by immunohistochemical analysis. Sample: Paraffin-embedded cat cerebellum. GAD67 stained by GAD67 antibody [HL1095] (NBP3-25474) diluted at 1:100. Antigen Retrieval: Citrate buffer, pH 6.0, 15 min



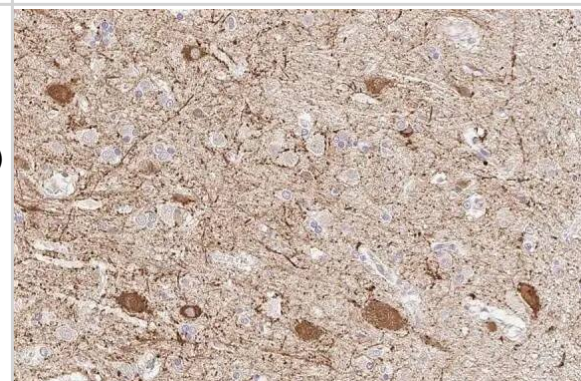
**Western Blot: GAD1/GAD67 Antibody (HL1095) - Azide and BSA Free [NBP3-25474]** - Various tissue extracts (50 ug) were separated by 10% SDS-PAGE, and the membrane was blotted with GAD67 antibody [HL1095] (NBP3-25474) diluted at 1:1000. The HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody.



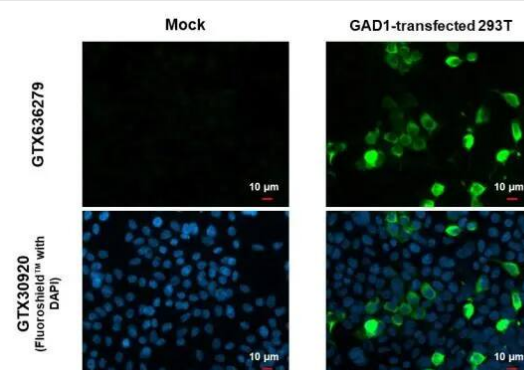
**Western Blot: GAD1/GAD67 Antibody (HL1095) - Azide and BSA Free [NBP3-25474]** - Human tissue extract (10 ug) was separated by 10% SDS-PAGE, and the membrane was blotted with GAD67 antibody [HL1095] (NBP3-25474) diluted at 1:1000. The HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody.



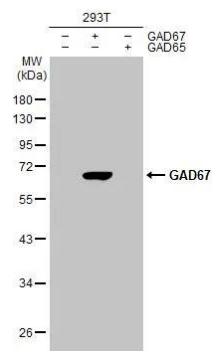
**Immunohistochemistry-Paraffin: GAD1/GAD67 Antibody (HL1095) - Azide and BSA Free [NBP3-25474]** - GAD67 antibody [HL1095] detects GAD67 protein at cell membrane and cytoplasm by immunohistochemical analysis. Sample: Paraffin-embedded dog cerebellum. GAD67 stained by GAD67 antibody [HL1095] (NBP3-25474) diluted at 1:100. Antigen Retrieval: Citrate buffer, pH 6.0, 15 min



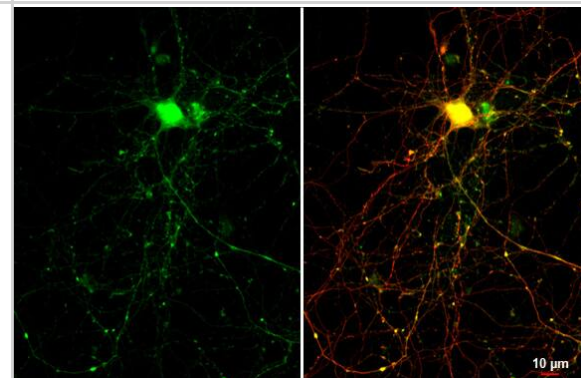
**Immunocytochemistry/Immunofluorescence: GAD1/GAD67 Antibody (HL1095) - Azide and BSA Free [NBP3-25474]** - GAD67 antibody [HL1095] detects GAD67 protein at cytoplasm by immunofluorescent analysis. Sample: Mock and transfected 293T cells were fixed in 4% paraformaldehyde at RT for 15 min. Green: GAD67 stained by GAD67 antibody [HL1095] (NBP3-25474) diluted at 1:500. Blue: Fluoroshield with DAPI.



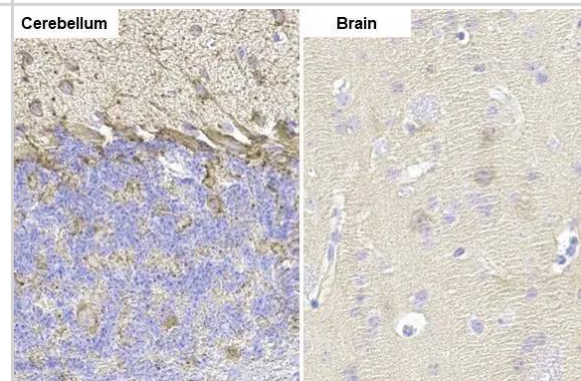
**Western Blot: GAD1/GAD67 Antibody (HL1095) - Azide and BSA Free [NBP3-25474]** - Non-transfected (-) and transfected (+) 293T whole cell extracts (30 ug) were separated by 10% SDS-PAGE, and the membrane was blotted with GAD67 antibody [HL1095] (NBP3-25474) diluted at 1:5000. The HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody.



**Immunocytochemistry/Immunofluorescence: GAD1/GAD67 Antibody (HL1095) - Azide and BSA Free [NBP3-25474]** - GAD67 antibody [HL1095] detects GAD67 protein by immunofluorescent analysis. Sample: DIV9 rat cortical neuron cells were fixed in 4% paraformaldehyde at RT for 15 min. Green: GAD67 stained by GAD67 antibody [HL1095] (NBP3-25474) diluted at 1:500. Red: Tau, a Axon marker, stained by Tau antibody [GT287] diluted at 1:500.



**Immunohistochemistry-Paraffin: GAD1/GAD67 Antibody (HL1095) - Azide and BSA Free [NBP3-25474]** - GAD67 antibody [HL1095] detects GAD67 protein by immunohistochemical analysis. Sample: Paraffin-embedded mouse tissues. GAD67 stained by GAD67 antibody [HL1095] (NBP3-25474) diluted at 1:100. Antigen Retrieval: Citrate buffer, pH 6.0, 15 min





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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
NBP2-51655-0.05mg	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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