

# Product Datasheet

## **GAD1/GAD67 Antibody (CL2911) - Azide and BSA Free NBP3-43812**

Unit Size: 100 ug

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

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**NBP3-43812**

GAD1/GAD67 Antibody (CL2911) - Azide and BSA Free

**Product Information**

<b>Unit Size</b>	100 ug
<b>Concentration</b>	LYOPH mg/ml
<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>	CL2911
<b>Preservative</b>	No Preservative
<b>Reconstitution Instructions</b>	Centrifuge the vial of lyophilized antibody at 12,000 x g for 20 seconds. Reconstitute by adding sterile, distilled water to achieve a final antibody concentration of 1mg/ml.
<b>Isotype</b>	IgG2a
<b>Purity</b>	Protein A purified
<b>Buffer</b>	Lyophilized from a 0.2 um filtered solution in PBS with Trehalose

**Product Description**

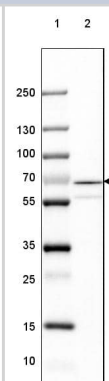
<b>Host</b>	Mouse
<b>Gene ID</b>	2571
<b>Gene Symbol</b>	GAD1
<b>Species</b>	Human, Mouse, Rat
<b>Immunogen</b>	This antibody was generated using a recombinant protein sequence of Q99259, with the exact immunogen sequence remaining proprietary.

**Product Application Details**

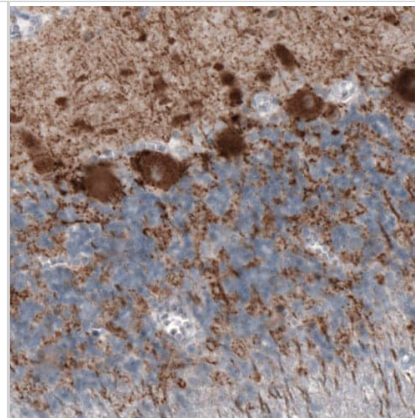
<b>Applications</b>	Western Blot, Immunohistochemistry-Paraffin
<b>Recommended Dilutions</b>	Western Blot 1 ug/ml, Immunohistochemistry-Paraffin 1:500 - 1:1000
<b>Application Notes</b>	For IHC-Paraffin, HIER pH 6 retrieval is recommended.

**Images**

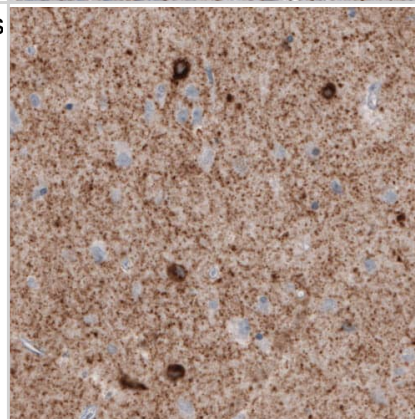
Lane 1: Marker [kDa] 250, 130, 100, 70, 55, 35, 25, 15, 10  
 Lane 2: Human Cerebral Cortex tissue



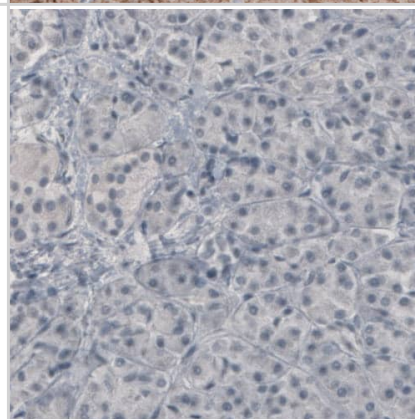
Staining of human cerebellum shows strong immunoreactivity in Purkinje cells, as well as in fibers in granular and molecular layers.



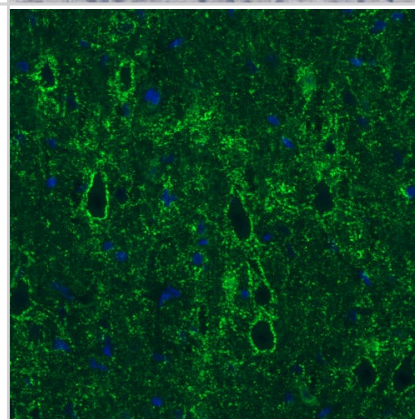
Staining of human cerebral cortex shows immunoreactivity in neuropil, as well as some neuronal cells bodies.



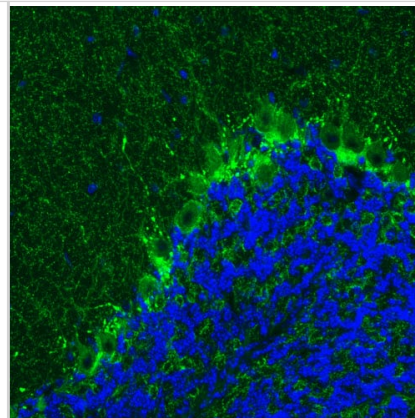
Staining of human pancreas shows absence of immunoreactivity (negative control).



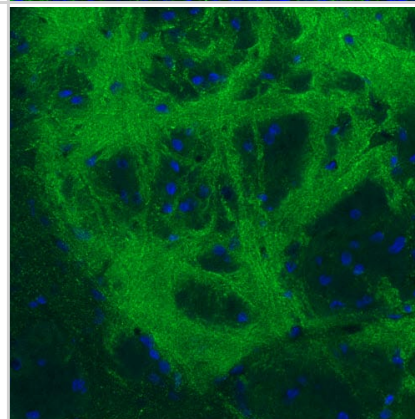
Staining of rat cerebral cortex shows strong positivity in GABAergic synapses on pyramidal neurons.



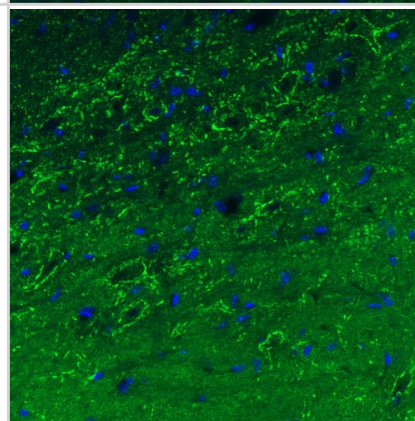
Staining of mouse cerebellum shows positivity in GABAergic neural fibers.



Staining of rat globus pallidus shows strong immunoreactivity in GABAergic neural fibers.



Staining of mouse substantia nigra shows strong immunoreactivity in GABAergic neural processes.





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### **Products Related to NBP3-43812**

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HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-96778	Mouse IgG2a Isotype Control (M2A)
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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