

# Product Datasheet

## **GAD1/GAD67 Antibody (CL2914) - BSA Free NBP2-46638**

Unit Size: 0.1 ml

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

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**NBP2-46638**

GAD1/GAD67 Antibody (CL2914) - 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>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	CL2914
<b>Preservative</b>	0.02% Sodium Azide
<b>Isotype</b>	IgG1
<b>Purity</b>	Protein A purified
<b>Buffer</b>	PBS (pH 7.2) and 40% Glycerol

**Product Description**

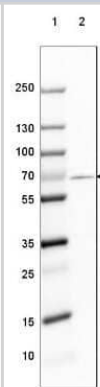
<b>Host</b>	Mouse
<b>Gene ID</b>	2571
<b>Gene Symbol</b>	GAD1
<b>Species</b>	Human, Mouse, Rat
<b>Reactivity Notes</b>	Please note that this antibody is reactive to Mouse and derived from the same host, Mouse. Mouse-On-Mouse blocking reagent may be needed for IHC and ICC experiments to reduce high background signal. You can find these reagents under catalog numbers PK-2200-NB and MP-2400-NB. Please contact Technical Support if you have any questions
<b>Immunogen</b>	This antibody was developed using a recombinant protein derived from Q99259, with the exact immunogen sequence remaining proprietary.

**Product Application Details**

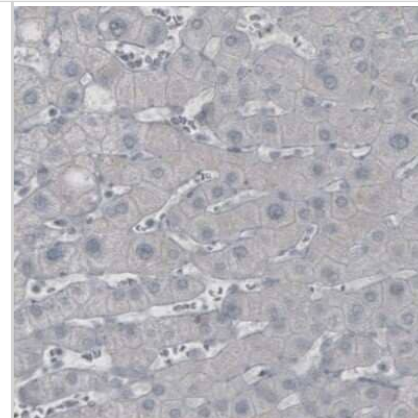
<b>Applications</b>	Western Blot, Immunohistochemistry, Immunohistochemistry-Paraffin
<b>Recommended Dilutions</b>	Western Blot 1 ug/ml, Immunohistochemistry 1:200 - 1:500, Immunohistochemistry-Paraffin 1:200 - 1:500
<b>Application Notes</b>	For IHC-Paraffin, HIER pH 6 retrieval is recommended.

**Images**

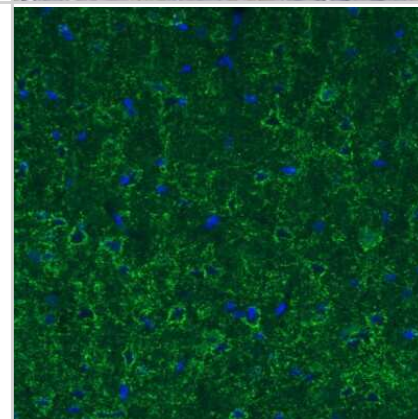
Western Blot: GAD1/GAD67 Antibody (CL2914) [NBP2-46638] - Lane 1: Marker [kDa] 250, 130, 100, 70, 55, 35, 25, 15, 10. Lane 2: Human Cerebral Cortex tissue



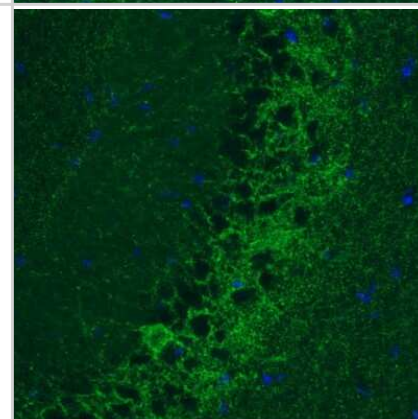
Immunohistochemistry-Paraffin: GAD1/GAD67 Antibody (CL2914) [NBP2-46638] - Staining of human liver shows absence of immunoreactivity (negative control).



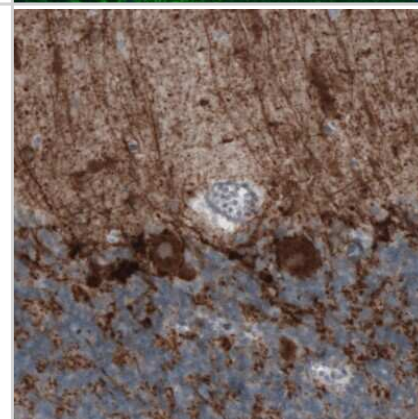
Immunohistochemistry: GAD1/GAD67 Antibody (CL2914) [NBP2-46638] - Staining of rat cerebral cortex shows strong immunoreactivity in GABAergic synapses on pyramidal neurons.



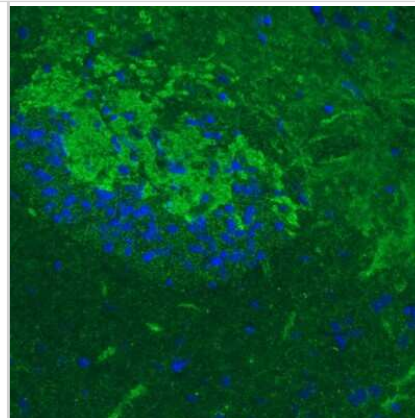
Immunohistochemistry: GAD1/GAD67 Antibody (CL2914) [NBP2-46638] - Staining of mouse hippocampal formation shows strong positivity in GABAergic fibers.



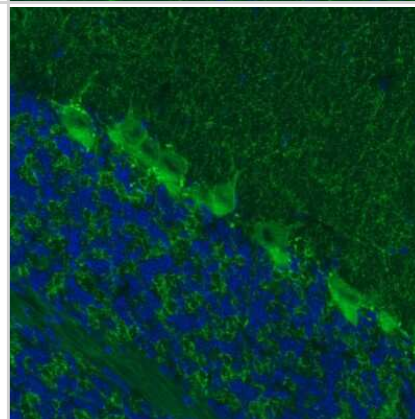
Immunohistochemistry-Paraffin: GAD1/GAD67 Antibody (CL2914) [NBP2-46638] - Staining of human cerebellum shows strong immunoreactivity in Purkinje cells, as well as in fibers in granular and molecular layers.



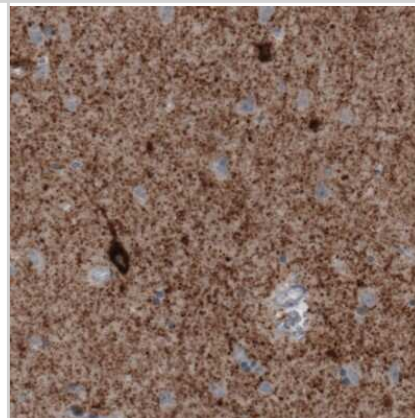
Immunohistochemistry: GAD1/GAD67 Antibody (CL2914) [NBP2-46638]  
- Staining of rat olfactory tubercle shows strong immunoreactivity in GABAergic fibers.



Immunohistochemistry: GAD1/GAD67 Antibody (CL2914) [NBP2-46638]  
- Staining of mouse cerebellum shows moderate immunoreactivity in Purkinje cells, as well as in fibers in granular and molecular layers.



Immunohistochemistry-Paraffin: GAD1/GAD67 Antibody (CL2914) [NBP2-46638] - Staining of human cerebral cortex shows immunoreactivity in neuropil and some neuronal cell bodies.





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### **Products Related to NBP2-46638**

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)
NBP2-51849-0.1mg	Recombinant Human GAD1/GAD67 His 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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