

# Product Datasheet

## **GAD1/GAD67 Antibody (CL2911) - BSA Free NBP2-46637**

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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**NBP2-46637**

GAD1/GAD67 Antibody (CL2911) - 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>	CL2911
<b>Preservative</b>	0.02% Sodium Azide
<b>Isotype</b>	IgG2a
<b>Purity</b>	Protein A purified
<b>Buffer</b>	PBS (pH 7.2) and 40% Glycerol

**Product Description**

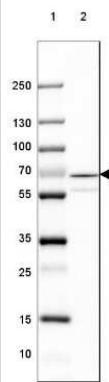
<b>Description</b>	Novus Biologicals Mouse GAD1/GAD67 Antibody (CL2911) - BSA Free (NBP2-46637) is a monoclonal antibody validated for use in IHC and WB. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Mouse
<b>Gene ID</b>	2571
<b>Gene Symbol</b>	GAD1
<b>Species</b>	Human, 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**

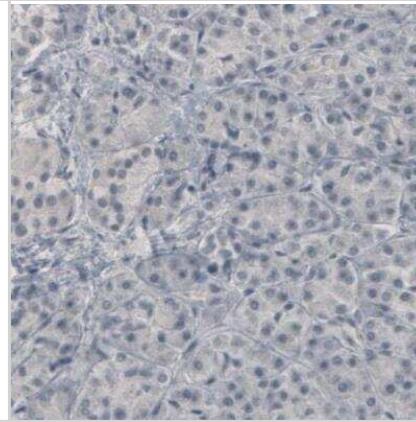
<b>Applications</b>	Western Blot, Immunohistochemistry-Paraffin, Immunohistochemistry
<b>Recommended Dilutions</b>	Western Blot 1 ug/ml, Immunohistochemistry 1:500 - 1:1000, Immunohistochemistry-Paraffin 1:500 - 1:1000
<b>Application Notes</b>	For IHC-Paraffin, HIER pH 6 retrieval is recommended.

## Images

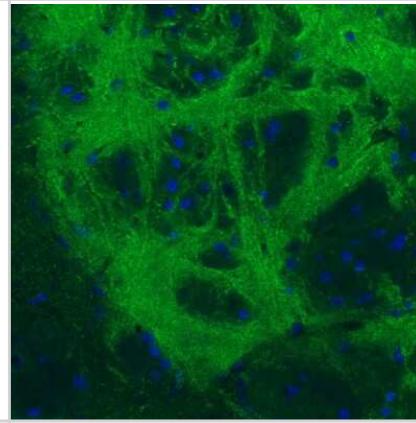
Western Blot: GAD1/GAD67 Antibody (2911) [NBP2-46637] - Lane 1: Marker [kDa] 250, 130, 100, 70, 55, 35, 25, 15, 10. Lane 2: Human Cerebral Cortex tissue



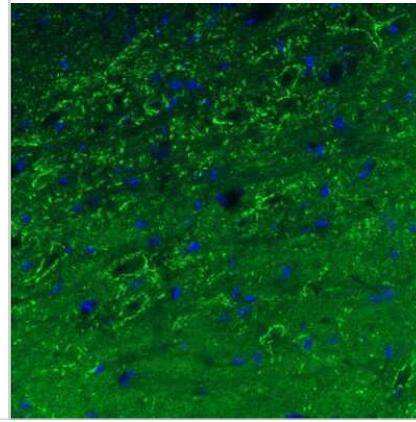
Immunohistochemistry-Paraffin: GAD1/GAD67 Antibody (2911) [NBP2-46637] - Staining of human pancreas shows absence of immunoreactivity (negative control).



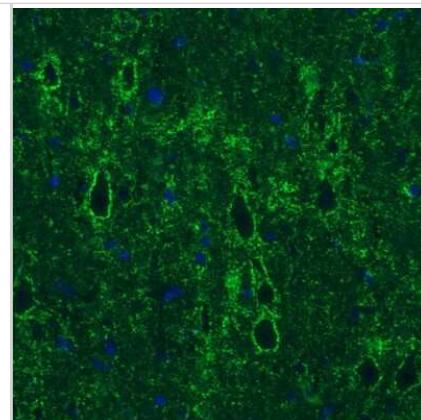
Immunohistochemistry: GAD1/GAD67 Antibody (2911) [NBP2-46637] - Staining of rat globus pallidus shows strong immunoreactivity in GABAergic neural fibers.



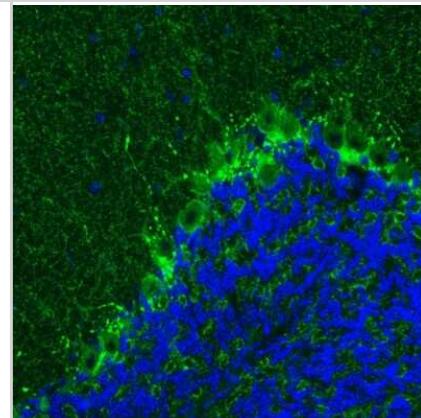
Immunohistochemistry: GAD1/GAD67 Antibody (2911) [NBP2-46637] - Staining of mouse substantia nigra shows strong immunoreactivity in GABAergic neural processes.



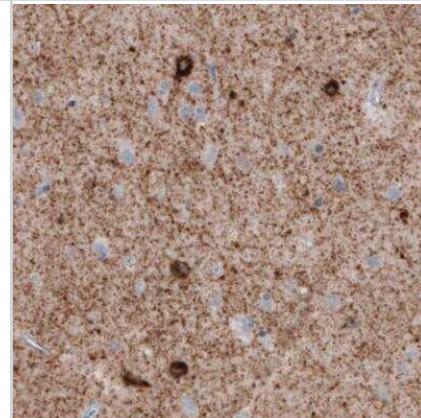
Immunohistochemistry: GAD1/GAD67 Antibody (2911) [NBP2-46637] - Staining of rat cerebral cortex shows strong positivity in GABAergic synapses on pyramidal neurons.



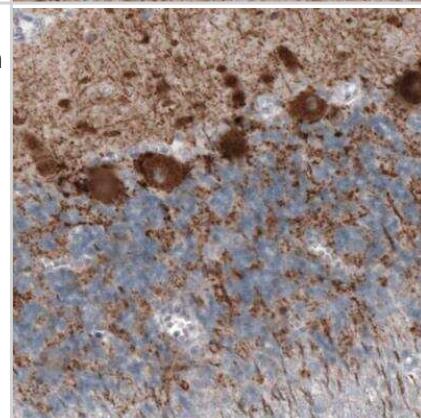
Immunohistochemistry: GAD1/GAD67 Antibody (2911) [NBP2-46637] - Staining of mouse cerebellum shows positivity in GABAergic neural fibers.



Immunohistochemistry-Paraffin: GAD1/GAD67 Antibody (2911) [NBP2-46637] - Staining of human cerebral cortex shows immunoreactivity in neuropil, as well as some neuronal cell bodies.



Immunohistochemistry-Paraffin: GAD1/GAD67 Antibody (2911) [NBP2-46637] - Staining of human cerebellum shows strong immunoreactivity in Purkinje cells, as well as in fibers in granular and molecular layers.





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## Products Related to NBP2-46637

NBP2-46637PEP	GAD1/GAD67 Recombinant Protein Antigen
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)

## 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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