

# Product Datasheet

## GAD1/GAD67 Antibody (CL2919) - Azide and BSA Free NBP3-43814

Unit Size: 100 ug

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

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**NBP3-43814**

GAD1/GAD67 Antibody (CL2919) - Azide and BSA Free

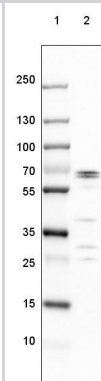
Product Information	
Unit Size	100 ug
Concentration	LYOPH mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	CL2919
Preservative	No Preservative
Reconstitution Instructions	Centrifuge the vial of lyophilized antibody at 12,000 x g for 20 seconds. Reconstitute by adding sterile, distilled water to achieve a final antibody concentration of 1mg/ml.
Isotype	IgG2b
Purity	Protein A purified
Buffer	Lyophilized from a 0.2 um filtered solution in PBS with Trehalose

Product Description	
Description	Novus Biologicals Mouse GAD1/GAD67 Antibody (CL2919) - Azide and BSA Free (NBP2-46639) is a monoclonal antibody validated for use in IHC and WB. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	2571
Gene Symbol	GAD1
Species	Human, Mouse, Rat
Immunogen	This antibody was generated using a recombinant protein sequence of Q99259, with the exact immunogen sequence remaining proprietary.

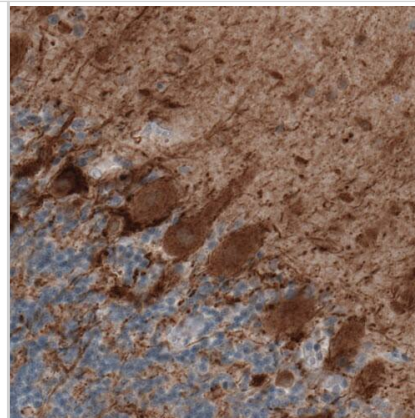
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 1 ug/ml, Immunohistochemistry-Paraffin 1:500 - 1:1000
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended.

**Images**

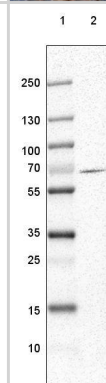
Lane 1: Marker [kDa] 250, 130, 100, 70, 55, 35, 25, 15, 10  
 Lane 2: Mouse Cerebral Cortex tissue



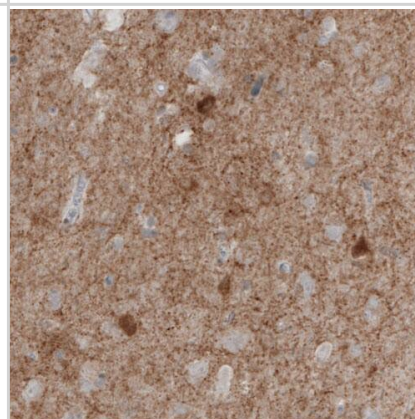
Staining of human cerebellum shows strong immunoreactivity in Purkinje cells, as well as in fibers in granular and molecular layers.



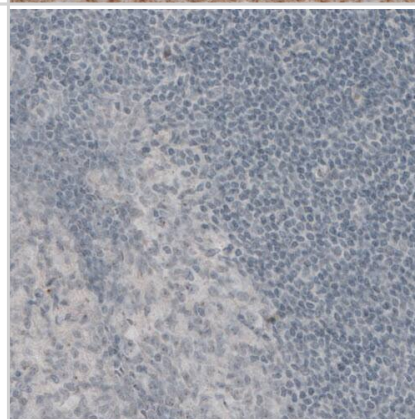
Lane 1: Marker [kDa] 250, 130, 100, 70, 55, 35, 25, 15, 10  
Lane 2: Human Cerebral Cortex tissue



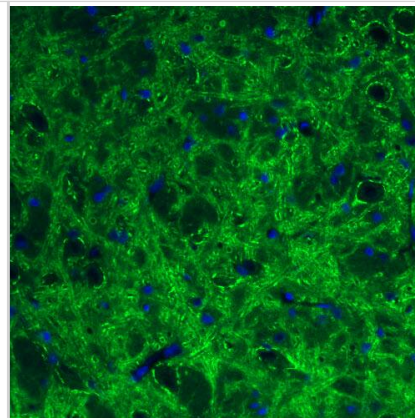
Staining of human cerebral cortex shows immunoreactivity in neuropil and in some neuronal cells.



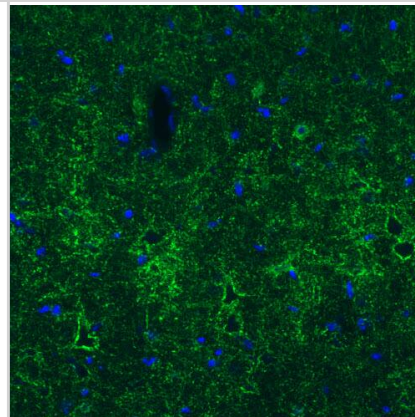
Staining of human tonsil shows absence of immunoreactivity (negative control).



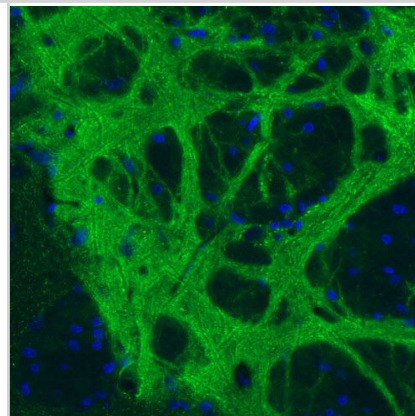
Staining of rat substantia nigra shows strong immunoreactivity in GABAergic fibers.



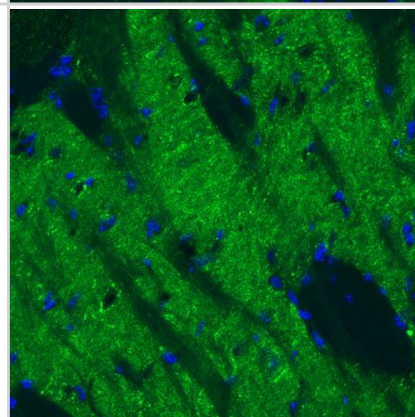
Staining of mouse cerebral cortex shows strong immunoreactivity in GABAergic synapses on pyramidal neurons.



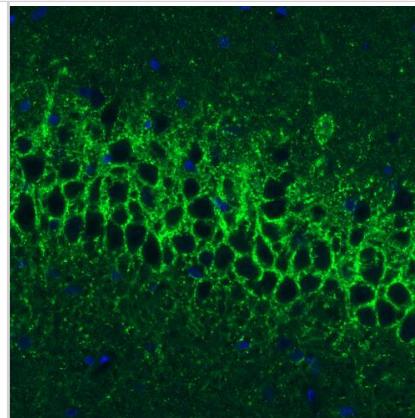
Staining of rat globus pallidus shows strong positivity in GABAergic fibers.



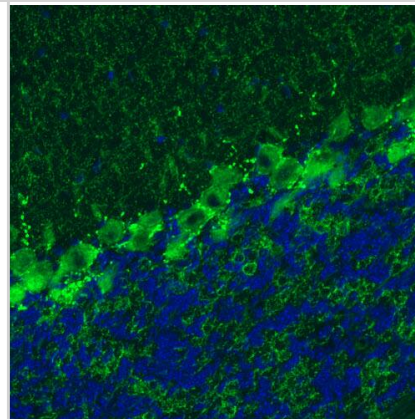
Staining of mouse globus pallidus shows strong positivity in GABAergic fibers.



Staining of rat hippocampal formation shows strong positivity in GABAergic fibers in the CA1 area.



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





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### **Products Related to NBP3-43814**

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NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP2-27231	Mouse IgG2b Isotype Control (MPC-11)

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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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