

# Product Datasheet

## GAD2/GAD65 Antibody (CL2736) - BSA Free NBP2-46629

Unit Size: 0.1 ml

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

[www.novusbio.com](http://www.novusbio.com)



[technical@novusbio.com](mailto:technical@novusbio.com)

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:  
[www.novusbio.com/NBP2-46629](http://www.novusbio.com/NBP2-46629)

Updated 2/27/2025 v.20.1

Earn rewards for product  
reviews and publications.

Submit a publication at [www.novusbio.com/publications](http://www.novusbio.com/publications)

Submit a review at [www.novusbio.com/reviews/destination/NBP2-46629](http://www.novusbio.com/reviews/destination/NBP2-46629)



**NBP2-46629**

GAD2/GAD65 Antibody (CL2736) - BSA Free

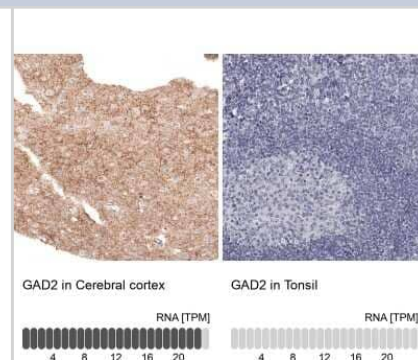
Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	CL2736
Preservative	0.02% Sodium Azide
Isotype	IgG1
Purity	Protein A purified
Buffer	PBS (pH 7.2) and 40% Glycerol

Product Description	
Host	Mouse
Gene ID	2572
Gene Symbol	GAD2
Species	Human, Mouse, Rat
Reactivity Notes	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
Immunogen	This antibody was developed using a recombinant protein derived from Q05329, with the exact immunogen sequence remaining proprietary.

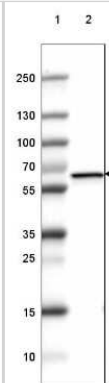
Product Application Details	
Applications	Western Blot, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 1 ug/ml, Immunohistochemistry 1:50 - 1:200, Immunohistochemistry-Paraffin 1:50 - 1:200
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended.

**Images**

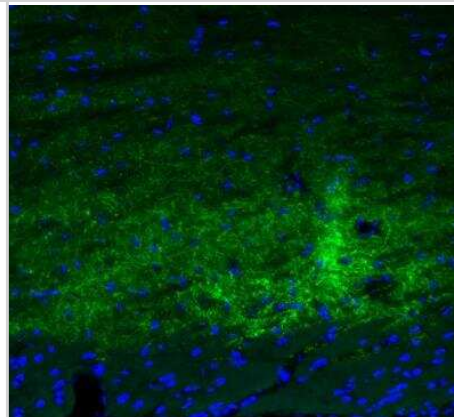
Immunohistochemistry-Paraffin: GAD2/GAD65 Antibody (CL2736) [NBP2-46629] - Analysis in human cerebral cortex and tonsil tissues using NBP2-46629 antibody. Corresponding GAD2/GAD65 RNA-seq data are presented for the same tissues.



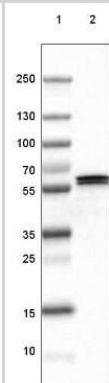
Western Blot: GAD2/GAD65 Antibody (CL2736) [NBP2-46629] - Lane 1:  
Marker [kDa] 250, 130, 100, 70, 55, 35, 25, 15, 10. Lane 2: Mouse  
Cerebral Cortex tissue



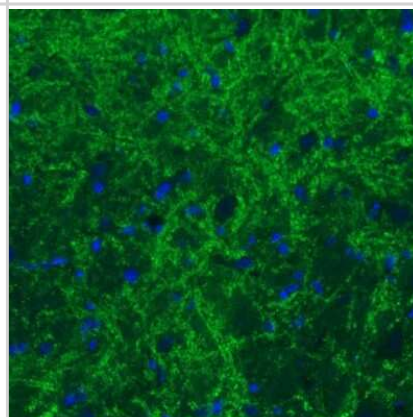
Immunohistochemistry: GAD2/GAD65 Antibody (CL2736) [NBP2-46629]  
- Staining of mouse midbrain shows moderate positivity in GABAergic  
neural fibers in the substantia nigra.



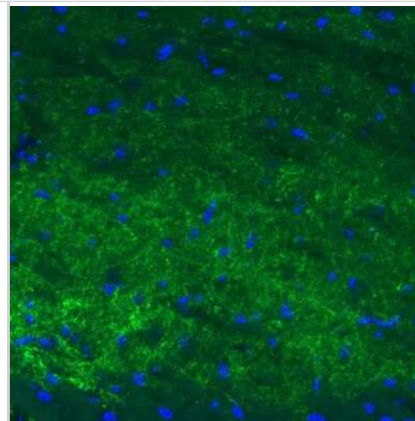
Western Blot: GAD2/GAD65 Antibody (CL2736) [NBP2-46629] - Lane 1:  
Marker [kDa] 250, 130, 100, 70, 55, 35, 25, 15, 10. Lane 2: Human  
Cerebral Cortex tissue



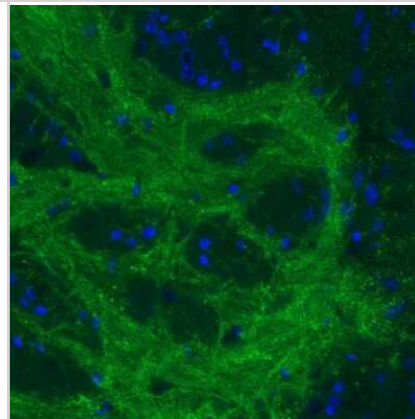
Immunohistochemistry: GAD2/GAD65 Antibody (CL2736) [NBP2-46629]  
- Staining of rat basal forebrain shows moderate immunoreactivity in  
GABAergic fibers.



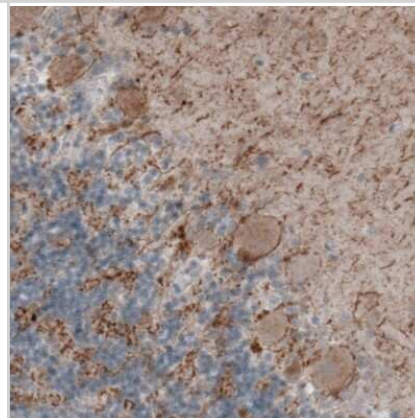
Immunohistochemistry: GAD2/GAD65 Antibody (CL2736) [NBP2-46629]  
- Staining of mouse substantia nigra shows moderate positivity in GABAergic fibers in pars reticulata.



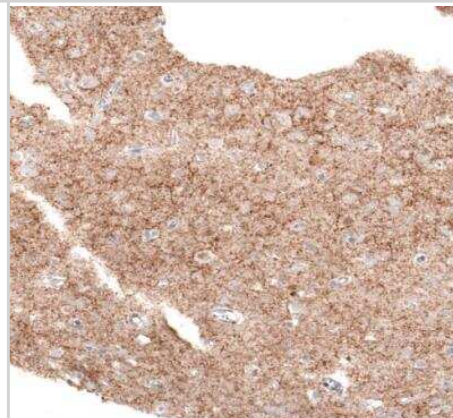
Immunohistochemistry: GAD2/GAD65 Antibody (CL2736) [NBP2-46629]  
- Staining of rat globus pallidus shows moderate positivity in GABAergic neural fibers.



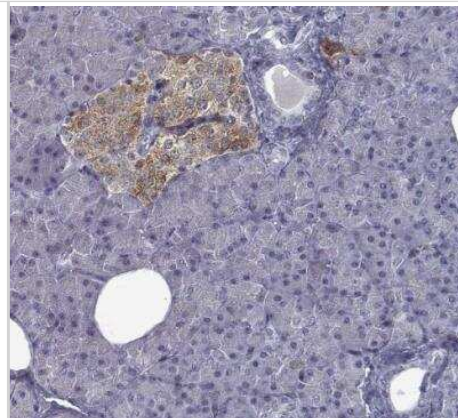
Immunohistochemistry-Paraffin: GAD2/GAD65 Antibody (CL2736) [NBP2-46629] - Staining of human cerebellum shows moderate immunoreactivity in GABAergic fibers in granular and molecular layers.



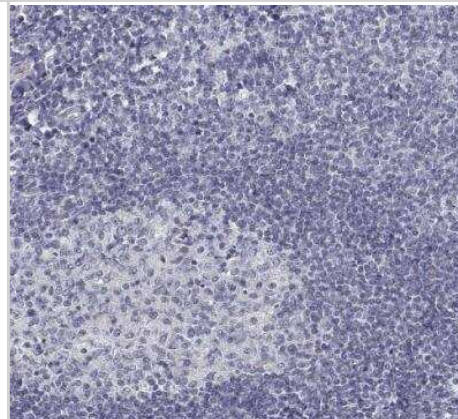
Immunohistochemistry-Paraffin: GAD2/GAD65 Antibody (CL2736) [NBP2-46629] - Staining of human cerebral cortex shows moderate to strong positivity in GABAergic neuronal processes.



Immunohistochemistry-Paraffin: GAD2/GAD65 Antibody (CL2736) [NBP2-46629] - Staining of human pancreas shows moderate cytoplasmic positivity in endocrine glandular cells.



Immunohistochemistry-Paraffin: GAD2/GAD65 Antibody (CL2736) [NBP2-46629] - Staining of human tonsil shows no positivity in non-germinal center cells as expected.





### **Novus Biologicals USA**

10730 E. Briarwood Avenue  
Centennial, CO 80112  
USA  
Phone: 303.730.1950  
Toll Free: 1.888.506.6887  
Fax: 303.730.1966  
nb-customerservice@bio-techne.com

### **Bio-Techne Canada**

21 Canmotor Ave  
Toronto, ON M8Z 4E6  
Canada  
Phone: 905.827.6400  
Toll Free: 855.668.8722  
Fax: 905.827.6402  
canada.inquires@bio-techne.com

### **Bio-Techne Ltd**

19 Barton Lane  
Abingdon Science Park  
Abingdon, OX14 3NB, United Kingdom  
Phone: (44) (0) 1235 529449  
Free Phone: 0800 37 34 15  
Fax: (44) (0) 1235 533420  
info.EMEA@bio-techne.com

### **General Contact Information**

www.novusbio.com  
Technical Support: nb-technical@bio-techne.com  
Orders: nb-customerservice@bio-techne.com  
General: novus@novusbio.com

### **Products Related to NBP2-46629**

---

NBP2-46629PEP	GAD2/GAD65 Recombinant Protein Antigen
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)

---

### **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.

For more information on our 100% guarantee, please visit [www.novusbio.com/guarantee](http://www.novusbio.com/guarantee)

Earn gift cards/discounts by submitting a review: [www.novusbio.com/reviews/submit/NBP2-46629](http://www.novusbio.com/reviews/submit/NBP2-46629)

Earn gift cards/discounts by submitting a publication using this product:  
[www.novusbio.com/publications](http://www.novusbio.com/publications)

