

# 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.

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**NBP2-46629**

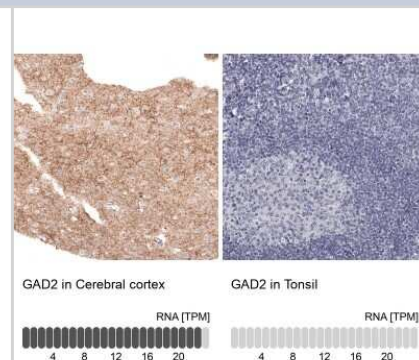
GAD2/GAD65 Antibody (CL2736) - BSA Free

| 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         |  |
| Description                 | Novus Biologicals Mouse GAD2/GAD65 Antibody (CL2736) - BSA Free (NBP2-46629) 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                     | 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-Paraffin, Immunohistochemistry  |
| 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.  |

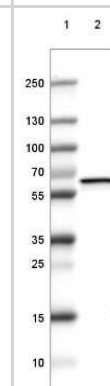


## Images

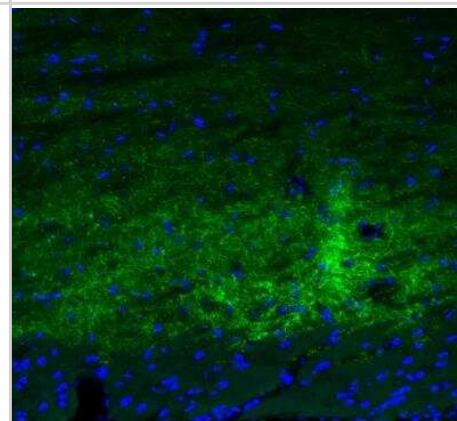
Immunohistochemistry-Paraffin: GAD2/GAD65 Antibody (CL2736) [NBP2-46629] - Analysis in human cerebral cortex and tonsil tissues using NBP2-46629 antibody. Corresponding GAD2/GAD65 RNA-seq data are presented for the same tissues.



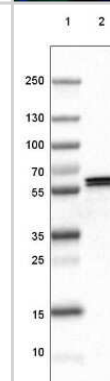
Western Blot: GAD2/GAD65 Antibody (CL2736) [NBP2-46629] - Lane 1: Marker [kDa] 250, 130, 100, 70, 55, 35, 25, 15, 10. Lane 2: Mouse Cerebral Cortex tissue



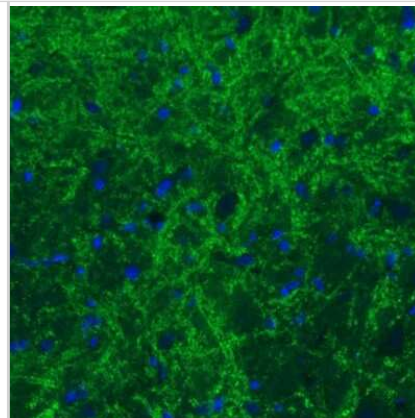
Immunohistochemistry: GAD2/GAD65 Antibody (CL2736) [NBP2-46629] - Staining of mouse midbrain shows moderate positivity in GABergic neural fibers in the substantia nigra.



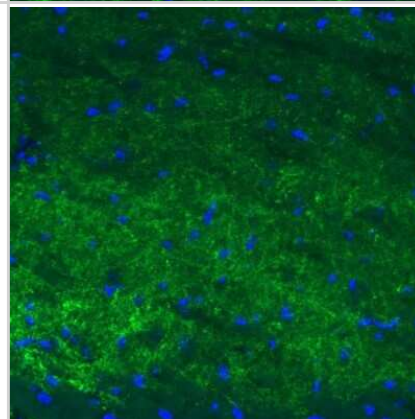
Western Blot: GAD2/GAD65 Antibody (CL2736) [NBP2-46629] - Lane 1: Marker [kDa] 250, 130, 100, 70, 55, 35, 25, 15, 10. Lane 2: Human Cerebral Cortex tissue



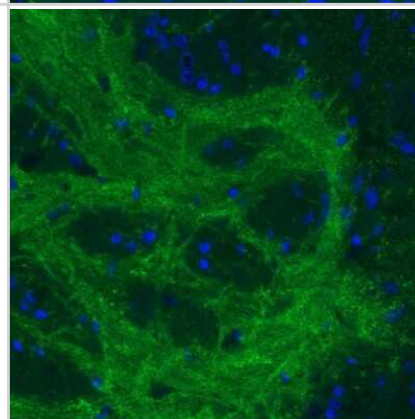
Immunohistochemistry: GAD2/GAD65 Antibody (CL2736) [NBP2-46629]  
- Staining of rat basal forebrain shows moderate immunoreactivity in GABAergic fibers.



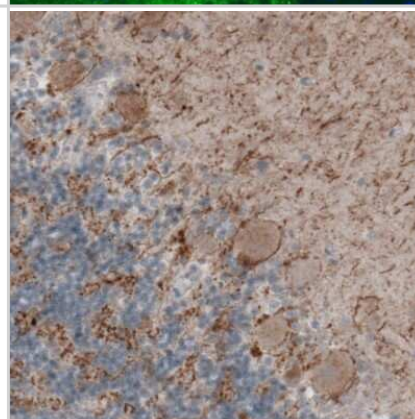
Immunohistochemistry: GAD2/GAD65 Antibody (CL2736) [NBP2-46629]  
- Staining of mouse substantia nigra shows moderate positivity in GABAergic fibers in pars reticulata.



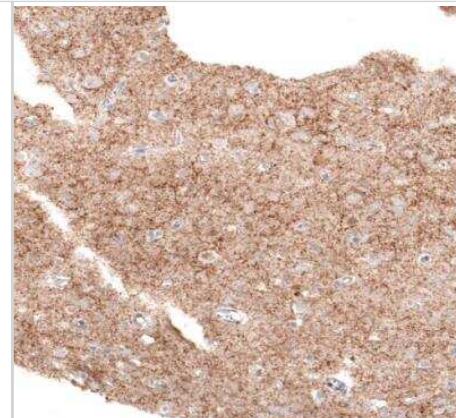
Immunohistochemistry: GAD2/GAD65 Antibody (CL2736) [NBP2-46629]  
- Staining of rat globus pallidus shows moderate positivity in GABAergic neural fibers.



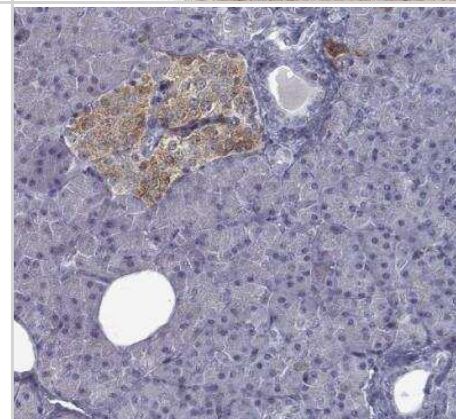
Immunohistochemistry-Paraffin: GAD2/GAD65 Antibody (CL2736) [NBP2-46629] - Staining of human cerebellum shows moderate immunoreactivity in GABAergic fibers in granular and molecular layers.



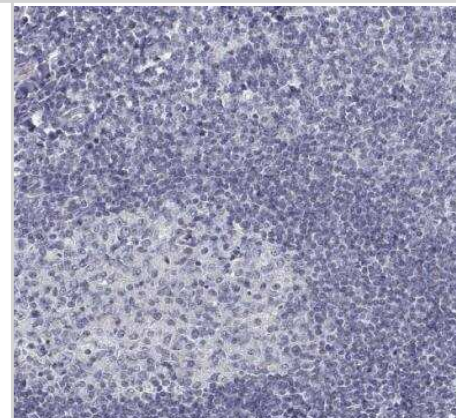
Immunohistochemistry-Paraffin: GAD2/GAD65 Antibody (CL2736) [NBP2-46629] - Staining of human cerebral cortex shows moderate to strong positivity in GABAergic neuronal processes.



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.







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

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|                  |   |
|------------------|---|
| 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)                        |

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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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