

# Product Datasheet

## GAD2/GAD65 Antibody (CL2736) - Azide and BSA Free NBP3-43815

Unit Size: 100 ug

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

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Updated 3/13/2025 v.20.1

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**NBP3-43815**

GAD2/GAD65 Antibody (CL2736) - Azide and BSA Free

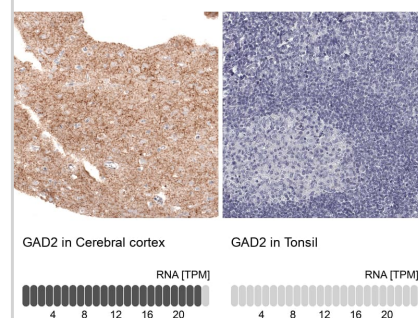
Product Information	
Unit Size	100 ug
Concentration	LYOPH mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	CL2736
Preservative	No Preservative
Reconstitution Instructions	Centrifuge the vial of lyophilized antibody at 12,000 x g for 20 seconds. Reconstitute by adding sterile, distilled water to achieve a final antibody concentration of 1mg/ml.
Isotype	IgG1
Purity	Protein A purified
Buffer	Lyophilized from a 0.2 um filtered solution in PBS with Trehalose

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

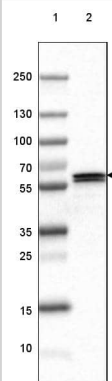
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 1 ug/ml, Immunohistochemistry-Paraffin 1:50 - 1:200
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended.

**Images**

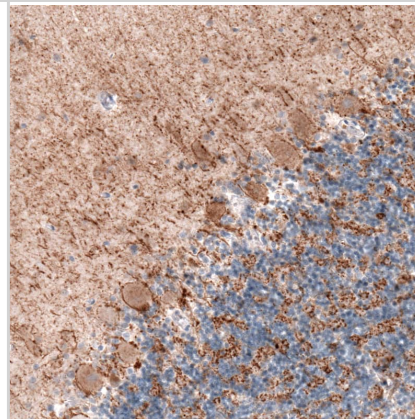
Analysis in human cerebral cortex and tonsil tissues using NBP3-43815 antibody. Corresponding GAD2/GAD65 RNA-seq data are presented for the same tissues.



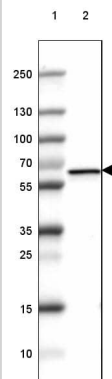
Lane 1: Marker [kDa] 250, 130, 100, 70, 55, 35, 25, 15, 10  
Lane 2: Human Cerebral Cortex tissue



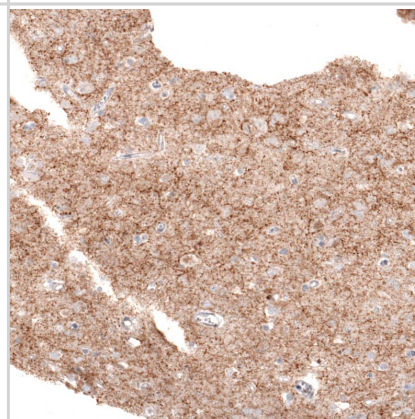
Staining of human cerebellum shows moderate to strong positivity in GABAergic neuronal processes.



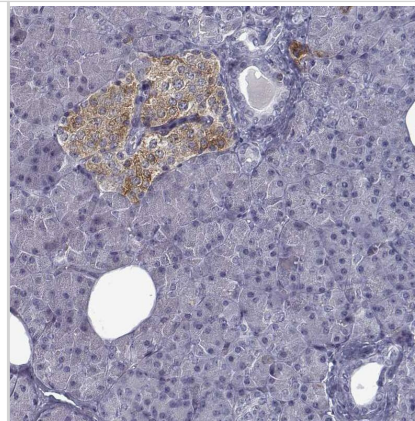
Lane 1: Marker [kDa] 250, 130, 100, 70, 55, 35, 25, 15, 10  
Lane 2: Mouse Cerebral Cortex tissue



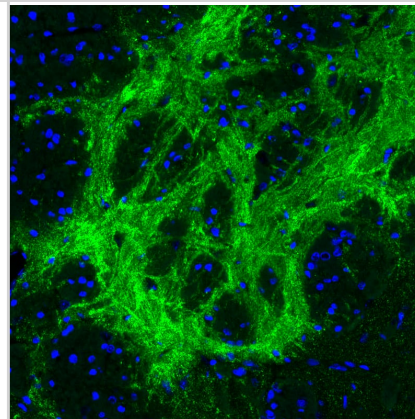
Staining of human cerebral cortex shows moderate to strong positivity in GABAergic neuronal processes.



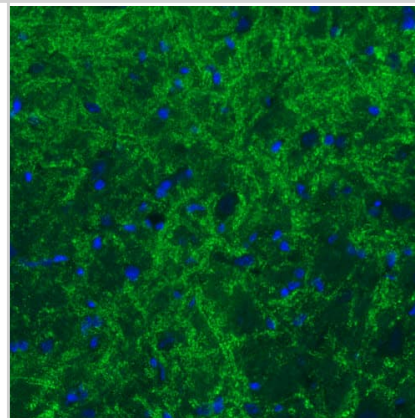
Staining of human pancreas shows moderate cytoplasmic positivity in endocrine glandular cells.



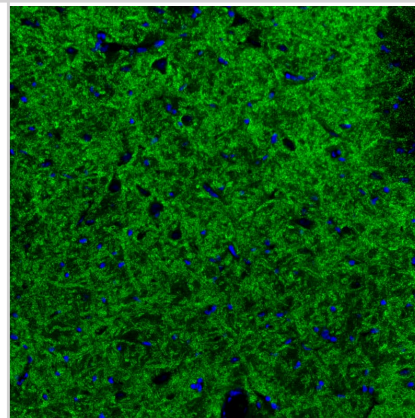
Staining of rat basal forebrain shows strong positivity in GABAergic neural fibers in the globus pallidus.



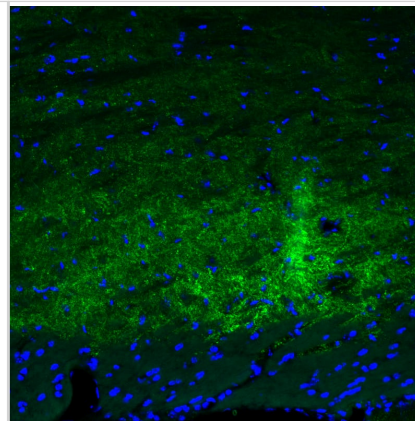
Staining of rat basal forebrain shows moderate immunoreactivity in GABAergic fibers.



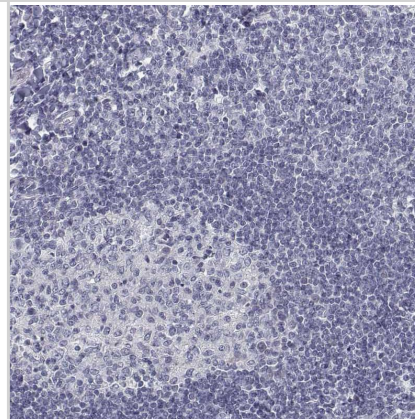
Staining of rat basal forebrain shows moderate to strong positivity in GABAergic neural fibers.



Staining of mouse midbrain shows moderate positivity in GABAergic neural fibers in the substantia nigra.



Staining of human tonsil shows no positivity in non-germinal center cells as expected.







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### **Products Related to NBP3-43815**

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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)
H00002572-P02-10ug	Recombinant Human GAD2/GAD65 GST (N-Term) Protein

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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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