

# Product Datasheet

## GAD65/67 Antibody (L127/12) - Chimeric - BSA Free NBP3-52354-100ul

Unit Size: 100 ul

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

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**NBP3-52354-100ul**

GAD65/67 Antibody (L127/12) - Chimeric - BSA Free

Product Information	
Unit Size	100 ul
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	L127/12
Preservative	0.05% Sodium Azide
Isotype	IgY
Purity	Affinity purified
Buffer	1X PBS (pH 7.4)
Target Molecular Weight	70 kDa

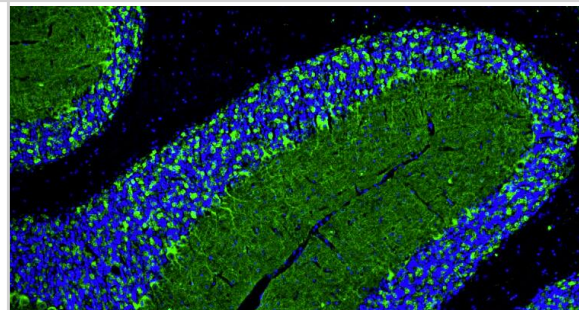
Product Description	
Description	This recombinant antibody is a chimeric antibody created by replacing the mouse heavy and light constant regions of clone L127/12 with chicken IgY heavy and light constant regions. As such this antibody retains the same binding performance as the original clone L127/12 but can be detected using standard anti-chicken secondary antibodies allowing flexibility for multiplexing applications. This antibody is expressed recombinantly in HEK293 cells and then affinity purified from the cell culture media.
Host	Chicken
Gene ID	2571
Gene Symbol	GAD1
Species	Human, Mouse, Rat
Specificity/Sensitivity	Cross-reacts with GAD25, GAD44 and GAD65/GAD2
Immunogen	Fusion protein amino acids 1-594 (full-length) of human GAD65/67 (Uniprot#: Q99259) produced recombinantly in E. Coli

Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, ELISA, Immunocytochemistry/Immunofluorescence
Recommended Dilutions	Western Blot 1:1000, ELISA, Immunocytochemistry/ Immunofluorescence 1:100, Immunohistochemistry-Paraffin 1:100

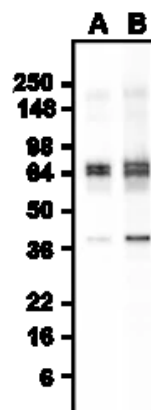


## Images

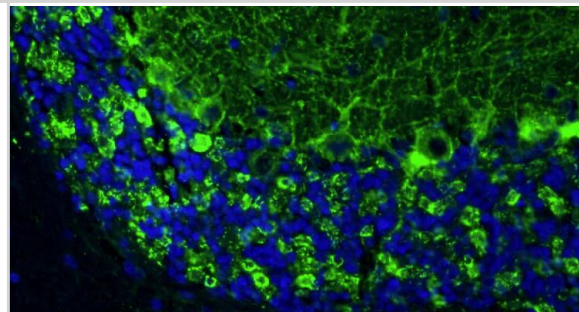
Representative section of formalin fixed, paraffin-embedded rat brain cerebellum stained with NBP3-52354 (green) at 1:100 dilution. DAPI (blue) shows cell nuclei. This antibody stains neuropil granules identifying GABAergic synapses, Purkinje cell bodies, and the synaptic terminal of GABAergic interneurons in the molecular layer of the cerebellum. Magnification 100X.



Western blotting of rat brain homogenate with GAD65/67 mouse monoclonal antibody (A) and NBP3-52354 (B). The mouse monoclonal antibody and chicken monoclonal antibody were detected with anti-mouse-HRP and anti-chicken-HRP, respectively. The chicken monoclonal antibody recognizes endogenous GAD65/67 with similar sensitivity as the mouse monoclonal antibody in the rat brain homogenate at ~65-67 kDa.



Representative section of formalin fixed, paraffin-embedded rat brain cerebellum stained with NBP3-52354 (green) at 1:100 dilution. DAPI (blue) shows cell nuclei. This antibody stains neuropil granules identifying GABAergic synapses, Purkinje cell bodies, and the synaptic terminal of GABAergic interneurons in the molecular layer of the cerebellum. Magnification 400X.





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### **Products Related to NBP3-52354-100ul**

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NB7276	Goat anti-Chicken IgM Heavy Chain Secondary Antibody
DBD00	BDNF [HRP]
NB300-109	Tyrosine Hydroxylase Antibody - Azide Free

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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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