

# Product Datasheet

## GAD2/GAD65 Antibody NB110-41528

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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**NB110-41528**

## GAD2/GAD65 Antibody

Product Information	
<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	This product is unpurified. The exact concentration of antibody is not quantifiable.
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	0.09% Sodium Azide
<b>Isotype</b>	IgG
<b>Purity</b>	Unpurified
<b>Buffer</b>	Whole antisera with 10mM PBS (pH 7.4)

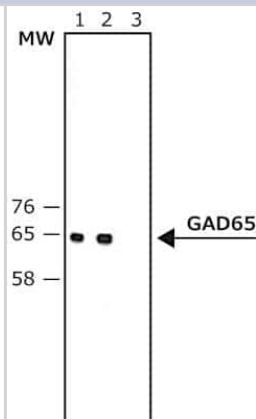
Product Description	
<b>Description</b>	Novus Biologicals Rabbit GAD2/GAD65 Antibody (NB110-41528) is a polyclonal antibody validated for use in IHC and WB. Anti-GAD2/GAD65 Antibody: Cited in 2 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Rabbit
<b>Gene ID</b>	2572
<b>Gene Symbol</b>	GAD2
<b>Species</b>	Human, Mouse, Rat, Porcine, Hamster, Monkey
<b>Marker</b>	GABAergic Neuronal Marker
<b>Immunogen</b>	Synthetic peptide corresponding to the N-terminal region (aa 5-22) of human GAD65.

Product Application Details	
<b>Applications</b>	Western Blot, Immunohistochemistry-Paraffin, Immunohistochemistry, In vitro assay, Microarray
<b>Recommended Dilutions</b>	Western Blot 1:4000, Immunohistochemistry 1:10-1:500, Immunohistochemistry-Paraffin 1:1000, In vitro assay, Microarray
<b>Application Notes</b>	This antibody is useful for In vitro assay (PMID: 21640980).



## Images

Western Blot: GAD2/GAD65 Antibody [NB110-41528] - Whole extract of Rat brain were separated on SDS-PAGE and probed with Anti-Glutamic Acid Decarboxylase 65 (5-22) antibody produced in Rabbit. The antibody was developed using 1:10,000 Anti-Rabbit IgG (whole molecule)-Peroxidase antibody produced in Goat. Lanes: 1. 1:4000 antibody 2. 1:8000 antibody 3. Negative Control



Immunohistochemistry: GAD2/GAD65 Antibody [NB110-41528] - Formalin fixed, paraffin-embedded Rat pancreas tissue sections were stained with 1:1,000 Anti-Glutamic Acid Decarboxylase 65 (5-22) antibody produced in Rabbit followed by 20 ug/mL Anti-Rabbit IgG (whole molecule)-Biotin antibody produced in Goat and by 20 ug/mL ExtrAvidin-Peroxidase.



Immunohistochemistry-Paraffin: GAD2/GAD65 Antibody [NB110-41528] - GAD2/GAD65 labelling in Golden hamster hippocampal formation. Inset: hilus & dentate gyrus. Image from verified customer review.



## Publications

Tavitian A, Lax E, Song W et al. Hippocampal reelin and GAD67 gene expression and methylation in the GFAP.HMOX1 mouse model of schizophrenia. *Biochimica et biophysica acta. Molecular cell research* 2025-01-09 [PMID: 39798610]

Huang R, Worrell J, Garner E, Wang S et Al. Epidural electrical stimulation of the cervical spinal cord opposes opioid-induced respiratory depression *J Physiol* 2022-05-31 [PMID: 35639046]

Lee M, Suk K, Kang Y et al. Neurotoxic factors released by stimulated human monocytes and THP-1 cells. *Brain Res.* 11;1400:99-111. doi: 10.1016/j.brainres.2011.05.021. 2011-07-01 [PMID: 21640980]



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### **Products Related to NB110-41528**

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NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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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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