

# Product Datasheet

## **GAD2/GAD65 Antibody** **NB600-1093**

Unit Size: 0.5 ml

Store at 4C. Do not freeze.

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**NB600-1093**

GAD2/GAD65 Antibody

**Product Information**

<b>Unit Size</b>	0.5 ml
<b>Concentration</b>	Please see the vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Store at 4C. Do not freeze.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	Sodium Azide
<b>Isotype</b>	IgG
<b>Purity</b>	Protein A purified
<b>Buffer</b>	PBS with BSA

**Product Description**

<b>Host</b>	Rabbit
<b>Gene ID</b>	2572
<b>Gene Symbol</b>	GAD2
<b>Species</b>	Human, Rat
<b>Reactivity Notes</b>	Cross-reacts with Human and Rat. Not yet tested in other species.
<b>Marker</b>	GABAergic Neuronal Marker
<b>Specificity/Sensitivity</b>	This reacts with a 65 kD protein, known as GAD (Glutamate Decarboxylase)
<b>Immunogen</b>	A synthetic peptide derived from the C-terminus region of the human GAD65 protein.

**Product Application Details**

<b>Applications</b>	Immunohistochemistry, Immunohistochemistry-Paraffin
<b>Recommended Dilutions</b>	Immunohistochemistry 1:10-1:500, Immunohistochemistry-Paraffin 1:10-1:500
<b>Application Notes</b>	IHC: This antibody may be diluted to a titer of 1:25-1:50 in an ABC method. We suggest an incubation period of 30 minutes at room temperature. However, depending upon the fixation conditions and the staining system employed, optimal incubation conditions and antibody dilutions should be determined by the user. Formalin fixed paraffin embedded tissue sections require high temperature antigen unmasking with 10 mM citrate buffer, pH 6.0 prior to immunostaining.

**Publications**

Zhang S, Hu S, Dong W et al. Prenatal dexamethasone exposure induces anxiety- and depressive-like behavior of male offspring rats through intrauterine programming of the activation of NRG1-ErbB4 signaling in hippocampal PV interneurons Cell biology and toxicology 2021-06-29 [PMID: 34189720]



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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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