

# Product Datasheet

## **GAD2/GAD65 Antibody (GAD2/1960)** **NBP2-79804-100ug**

Unit Size: 100 ug

Store at 4C.

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**NBP2-79804-100ug**

GAD2/GAD65 Antibody (GAD2/1960)

| Product Information     |                          |
|-------------------------|--------------------------|
| Unit Size               | 100 ug                   |
| Concentration           | 0.2 mg/ml                |
| Storage                 | Store at 4C.             |
| Clonality               | Monoclonal               |
| Clone                   | GAD2/1960                |
| Preservative            | 0.05% Sodium Azide       |
| Isotype                 | IgG2b Kappa              |
| Purity                  | Protein A or G purified  |
| Buffer                  | 10 mM PBS with 0.05% BSA |
| Target Molecular Weight | 65 kDa                   |

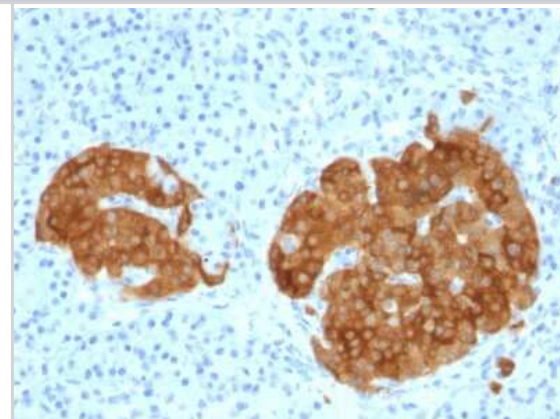
| Product Description |  |
|---------------------|--|
| Description         | 200ug/ml of antibody purified from Bioreactor Concentrate by Protein A or G. Prepared in 10 mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0 mg/ml. (NBP2-79938)<br><br>Antibody with azide - store at 2 to 8C. Antibody without azide - store at -20 to -80C. |
| Host                | Mouse  |
| Gene ID             | 2572   |
| Gene Symbol         | GAD2   |
| Species             | Human  |
| Marker              | GABAergic Neuronal Marker  |
| Immunogen           | Recombinant human GAD2/GAD65 protein fragment (around aa 6-99) (exact sequence is proprietary) (Uniprot: Q05329)   |

| Product Application Details |   |
|-----------------------------|---|
| Applications                | Immunohistochemistry, Immunohistochemistry-Paraffin, Protein Array  |
| Recommended Dilutions       | Immunohistochemistry 0.1-0.2 ug/ml, Immunohistochemistry-Paraffin 0.1-0.2 ug/ml, Protein Array  |
| Application Notes           | Immunohistochemistry (Formalin-fixed): 0.1-0.2ug/ml for 30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95C followed by cooling at RT for 20 minutes. Optimal dilution for a specific application should be determined. |

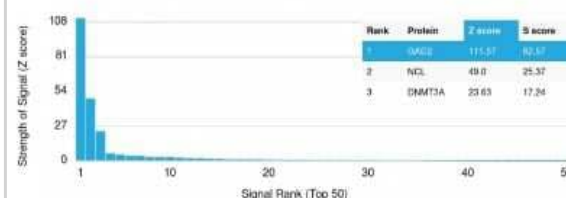


## Images

Immunohistochemistry-Paraffin: GAD2/GAD65 Antibody (GAD2/1960) [NBP2-79804] - Formalin-fixed, paraffin-embedded human Pancreas stained with GAD2/GAD65 Antibody (GAD2/1960).



Protein Array: GAD2/GAD65 Antibody (GAD2/1960) [NBP2-79804] - Analysis of Protein Array containing more than 19,000 full-length human proteins using GAD2/GAD65 Antibody (GAD2/1960) Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (Monoclonal Antibody) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProt(TM) array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If targets on HuProt(TM) are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-score. S-score therefore represents the relative target specificity of a Monoclonal Antibody to its intended target. A Monoclonal Antibody is considered to specific to its intended target, if the Monoclonal Antibody has an S-score of at least 2.5





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### **Products Related to NBP2-79804-100ug**

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|                    |   |
|--------------------|---|
| HAF007             | Goat anti-Mouse IgG Secondary Antibody [HRP]            |
| NB720-B            | Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin] |
| NBP1-43317-0.5mg   | Mouse IgG2b Kappa Light Chain Isotype Control (MG2b)    |
| 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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