

# Product Datasheet

## Neurogranin Antibody NBP2-29349

Unit Size: 0.1 mg

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

[www.novusbio.com](http://www.novusbio.com)



[technical@novusbio.com](mailto:technical@novusbio.com)

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**NBP2-29349****Neurogranin Antibody**

| <b>Product Information</b> |                                                              |
|----------------------------|--------------------------------------------------------------|
| <b>Unit Size</b>           | 0.1 mg                                                       |
| <b>Concentration</b>       | 0.5 mg/ml                                                    |
| <b>Storage</b>             | Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles. |
| <b>Clonality</b>           | Polyclonal                                                   |
| <b>Preservative</b>        | 0.02% Sodium Azide                                           |
| <b>Isotype</b>             | IgG                                                          |
| <b>Purity</b>              | Immunogen affinity purified                                  |
| <b>Buffer</b>              | Tris saline (20 mM Tris pH 7.3, 150 mM NaCl), 0.5% BSA       |

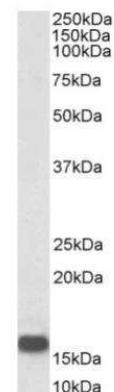
| <b>Product Description</b>     |                                                                                                                                                                                                                                                  |
|--------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Description</b>             | Novus Biologicals Goat Neurogranin Antibody (NBP2-29349) is a polyclonal antibody validated for use in IHC, WB and ELISA. Anti-Neurogranin Antibody: Cited in 1 publication. All Novus Biologicals antibodies are covered by our 100% guarantee. |
| <b>Host</b>                    | Goat                                                                                                                                                                                                                                             |
| <b>Gene ID</b>                 | 4900                                                                                                                                                                                                                                             |
| <b>Gene Symbol</b>             | NRGN                                                                                                                                                                                                                                             |
| <b>Species</b>                 | Human                                                                                                                                                                                                                                            |
| <b>Reactivity Notes</b>        | Expected from sequence similarity: Mouse, Canine and Bovine. This batch is not expected to cross-react with Mouse in Western blot                                                                                                                |
| <b>Specificity/Sensitivity</b> | Reported variants represent identical protein: NP_006167.1, NP_001119653.1 Immunogen                                                                                                                                                             |
| <b>Immunogen</b>               | Peptide with sequence C-KIKSGERGRKG, from the internal region of the protein sequence according to NP_006167.1.                                                                                                                                  |

| <b>Product Application Details</b> |                                                                                                                                                                                                                                                                                                                                                                |
|------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Applications</b>                | Western Blot, Immunohistochemistry-Paraffin, Immunohistochemistry, Peptide ELISA                                                                                                                                                                                                                                                                               |
| <b>Recommended Dilutions</b>       | Western Blot 0.1-0.3ug/ml, Immunohistochemistry 5 ug/ml, Immunohistochemistry-Paraffin 5 ug/ml, Peptide ELISA detection limit 1:8000                                                                                                                                                                                                                           |
| <b>Application Notes</b>           | Western blot: Approx 16kDa band observed in Human Brain (Frontal Cortex) lysate (calculated MW of 7.6kDa according to NP_006167.1). The observed molecular weights correspond to earlier findings in literature with different antibodies (Li et al, J Biol Chem. 1999 Jan 15;274(3):1294-300; PMID: 9880498).<br>IHC: Paraffin embedded Human Brain (Cortex). |

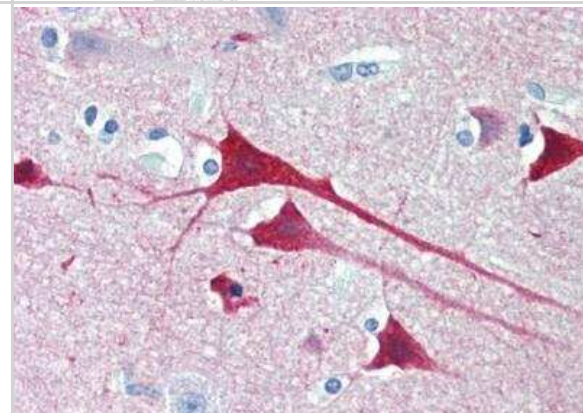


## Images

Western Blot: Neurogranin Antibody [NBP2-29349] - Staining of Human Brain (Frontal Cortex) lysate (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



Immunohistochemistry-Paraffin: Neurogranin Antibody [NBP2-29349] - Staining of Human Cortex. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.



## Publications

Meneses-San Juan D, Lamas M, Ramirez-Rodriguez GB. Repetitive Transcranial Magnetic Stimulation Reduces Depressive-like Behaviors, Modifies Dendritic Plasticity, and Generates Global Epigenetic Changes in the Frontal Cortex and Hippocampus in a Rodent Model of Chronic Stress Cells 2023-08-14 [PMID: 37626872] (Immunohistochemistry)



### **Novus Biologicals USA**

10730 E. Briarwood Avenue  
Centennial, CO 80112  
USA  
Phone: 303.730.1950  
Toll Free: 1.888.506.6887  
Fax: 303.730.1966  
nb-customerservice@bio-techne.com

### **Bio-Techne Canada**

21 Canmotor Ave  
Toronto, ON M8Z 4E6  
Canada  
Phone: 905.827.6400  
Toll Free: 855.668.8722  
Fax: 905.827.6402  
canada.inquires@bio-techne.com

### **Bio-Techne Ltd**

19 Barton Lane  
Abingdon Science Park  
Abingdon, OX14 3NB, United Kingdom  
Phone: (44) (0) 1235 529449  
Free Phone: 0800 37 34 15  
Fax: (44) (0) 1235 533420  
info.EMEA@bio-techne.com

### **General Contact Information**

[www.novusbio.com](http://www.novusbio.com)  
Technical Support: nb-technical@bio-techne.com  
Orders: nb-customerservice@bio-techne.com  
General: novus@novusbio.com

### **Products Related to NBP2-29349**

|                    |                                                                        |
|--------------------|------------------------------------------------------------------------|
| HAF017             | Rabbit anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)] |
| HAF109             | Donkey anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)] |
| NB410-28088-1mg    | Goat IgG Isotype Control                                               |
| H00004900-P01-10ug | Recombinant Human Neurogranin GST (N-Term) Protein                     |

### **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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