

# Product Datasheet

## Neurogranin Antibody NBP2-29349

Unit Size: 0.1 mg

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

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**NBP2-29349**

## Neurogranin Antibody

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

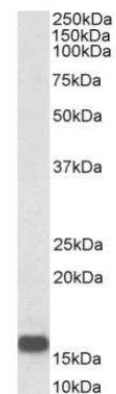
Product Description	
Host	Goat
Gene ID	4900
Gene Symbol	NRGN
Species	Human
Reactivity Notes	Expected from sequence similarity: Mouse, Canine and Bovine. This batch is not expected to cross-react with Mouse in Western blot
Specificity/Sensitivity	Reported variants represent identical protein: NP_006167.1, NP_001119653.1 Immunogen
Immunogen	Peptide with sequence C-KIKSGERGRKG, from the internal region of the protein sequence according to NP_006167.1.

Product Application Details	
Applications	Western Blot, Immunohistochemistry, Immunohistochemistry-Paraffin, Peptide ELISA
Recommended Dilutions	Western Blot 0.1-0.3ug/ml, Immunohistochemistry 5 ug/ml, Immunohistochemistry-Paraffin 5 ug/ml, Peptide ELISA detection limit 1:8000
Application Notes	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). IHC: Paraffin embedded Human Brain (Cortex).

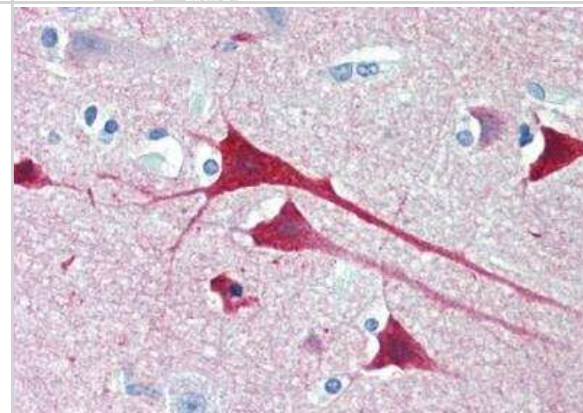


## Images

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-Rodríguez 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)



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

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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

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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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