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# NRGN Antibody (C-term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP21561b

## Product Information

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|---|---|
| **Application** | WB, E |
| **Primary Accession** | Q92686 |
| **Reactivity** | Human, Rat, Mouse |
| **Predicted** | Bovine, Canine, Rabbit |
| **Host** | Rabbit |
| **Clonality** | polyclonal |
| **Isotype** | Rabbit IgG |
| **Clone Names** | RB53232 |
| **Calculated MW** | 7618 |

## Additional Information

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|---|---|
| **Gene ID** | 4900 |
| **Other Names** | Neurogranin, Ng, RC3, NEUG(55-78), NRGN |
| **Target/Specificity** | This NRGN antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 49-81 amino acids from the C-terminal region of human NRGN. |
| **Dilution** | WB~~1:2000 E~~Use at an assay dependent concentration. |
| **Format** | Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification. |
| **Storage** | Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles. |
| **Precautions** | NRGN Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures. |

## Protein Information

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|---|---|
| **Name** | NRGN |
| **Function** | Acts as a 'third messenger' substrate of protein kinase C- mediated molecular cascades during synaptic development and remodeling. Binds to calmodulin in the absence of calcium (By similarity). |
| **Tissue Location** | In the cerebral cortex, found in the cell bodies of neurons in layers II-VI, and |

in apical and basal dendrites of pyramidal neurons. Is not found in the dendrites in patients with Alzheimer disease.

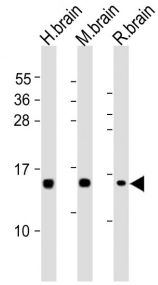
## Background

Acts as a "third messenger" substrate of protein kinase C-mediated molecular cascades during synaptic development and remodeling. Binds to calmodulin in the absence of calcium (By similarity).

## References


Mertsalov I.B.,et al.Bioorg. Khim. 22:366-369(1996).
Mertsalov I.B.,et al.Bioorg. Khim. 23:961-968(1997).
Martinez de Arrieta C.,et al.Genomics 41:243-249(1997).
Chang J.W.,et al.J. Neuropathol. Exp. Neurol. 56:1105-1118(1997).
Mertsalov I.B.,et al.Submitted (JUN-2001) to the EMBL/GenBank/DDBJ databases.


## Images




All lanes : Anti-NRGN Antibody (C-term) at 1:2000 dilution Lane 1: human brain lysates Lane 2: mouse brain lysates Lane 3: rat brain lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 8 kDa Blocking/Dilution buffer: 5% NFDM/TBST.


Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.