

NRGN Antibody (C-term)
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP21561b**Specification**

NRGN Antibody (C-term) - Product Information

Application	WB,E
Primary Accession	Q92686
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	polyclonal
Isotype	Rabbit IgG
Calculated MW	7618

NRGN Antibody (C-term) - Additional Information**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

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.

NRGN Antibody (C-term) - Protein Information**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

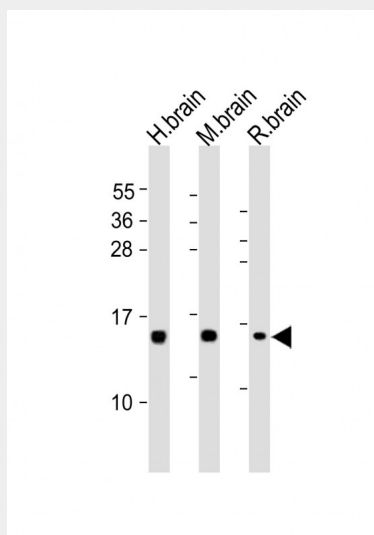
In the cerebral cortex, found in the cell bodies of neurons in layers II-VI, and in apical and basal dendrites of pyramidal neurons. Is not found in the dendrites in patients with Alzheimer disease.

NRGN Antibody (C-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

NRGN Antibody (C-term) - 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.

NRGN Antibody (C-term) - 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).

NRGN Antibody (C-term) - 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.

