

NRGN Antibody (C-term)

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP21561b

Product Information

Application	WB, E
Primary Accession	Q92686
Reactivity	Human, Rat, Mouse
Host	Rabbit
Clonality	polyclonal
Isotype	Rabbit IgG
Clone Names	RB53232
Calculated MW	7618

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 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

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).

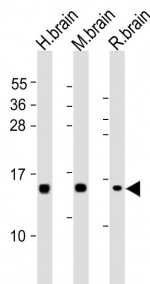
Mertsalov I.B.,et al.Bioorg. Khim. 23:961-968(1997).

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'.