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NRGN / Neurogranin Antibody (Internal)

Goat Polyclonal Antibody
Catalog # ALS14257

Specification

NRGN / Neurogranin Antibody (Internal) - Product Information

Application	**WB, IHC**
Primary Accession	Q92686
Reactivity	**Human, Mouse, Rabbit, Pig, Goat, Horse, Bovine, Dog**
Host	**Goat**
Clonality	**Polyclonal**
Calculated MW	**8kDa KDa**

NRGN / Neurogranin Antibody (Internal) - Additional Information

Gene ID 4900

Other Names
Neurogranin, Ng, RC3, NEUG(55-78), NRGN

Target/Specificity
Human NRGN / Neurogranin. Reported variants represent identical protein: NP_006167.1, NP_001119653.1

Reconstitution & Storage
Long term: -70°C; Short term: -20°C; Avoid freeze-thaw cycles.

Precautions
NRGN / Neurogranin Antibody (Internal) is for research use only and not for use in diagnostic or therapeutic procedures.

NRGN / Neurogranin Antibody (Internal) - 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).

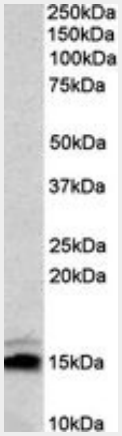
Tissue Location
In the cerebral cortex, found in the cell bodies of neurons in layers II-VI, and in apical and basal dendrites of pyramidal neurons. Is not found in the dendrites in patients with Alzheimer disease.

NRGN / Neurogranin Antibody (Internal) - Protocols

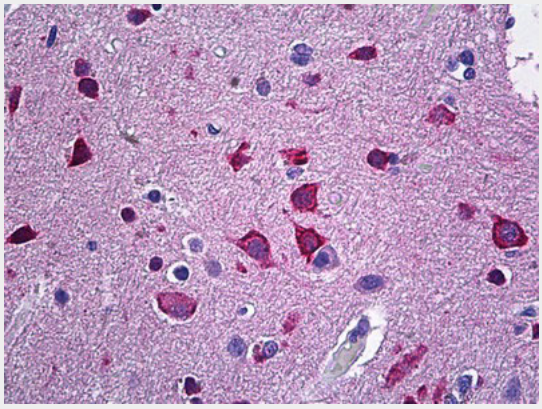
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

NRGN / Neurogranin Antibody (Internal) - Images



NRGN antibody (0.1 ug/ml) staining of Mouse Brain lysate (35 ug protein/ml in RIPA buffer).



Anti-NRGN / Neurogranin antibody IHC of human brain, cortex.

NRGN / Neurogranin Antibody (Internal) - 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 / Neurogranin Antibody (Internal) - 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.