10320 Camino Santa Fe, Suite A
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Goat Anti-Neurogranin precursor Antibody (internal region), Biotinylated

Catalog # AF4289a

Specification

Goat Anti-Neurogranin precursor Antibody (internal region), Biotinylated - Product Information

Application	**WB, E**
Primary Accession	Q92686
Other Accession	NP_006167.1, 4900
Reactivity	**Human**
Predicted	**Human, Mouse, Dog**
Host	**Goat**
Isotype	**IgG**
Calculated MW	**7618**

Goat Anti-Neurogranin precursor Antibody (internal region), Biotinylated - Additional Information

Gene ID 4900

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

Dilution
WB~~1:1000
E~~N/A

Immunogen
Reported variants represent identical protein: NP_006167.1, NP_001119653.1

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
Goat Anti-Neurogranin precursor Antibody (internal region), Biotinylated is for research use only and not for use in diagnostic or therapeutic procedures.

Goat Anti-Neurogranin precursor Antibody (internal region), Biotinylated - 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.

Goat Anti-Neurogranin precursor Antibody (internal region), Biotinylated - 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

Goat Anti-Neurogranin precursor Antibody (internal region), Biotinylated - Images

Biotinylated AF4289a (0.1 µg/ml) staining of Human Brain (Frontal Cortex) lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.