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

Neurogranin Rabbit mAb

Catalog # AP75801

Product Information

Application	WB, IHC-P, IHC-F, IP
Primary Accession	Q92686
Reactivity	Rat, Human, Mouse
Host	Rabbit
Clonality	Monoclonal Antibody
Isotype	IgG
Conjugate	Unconjugated
Purification	Affinity Purified
Calculated MW	7618

Additional Information

Gene ID	4900
Other Names	NRGN
Dilution	WB~~1:500-1:1000 IHC-P~~N/A IHC-F~~N/A IP~~1:20-1:50
Format	Liquid in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% sodium azide and 0.05% BSA.
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

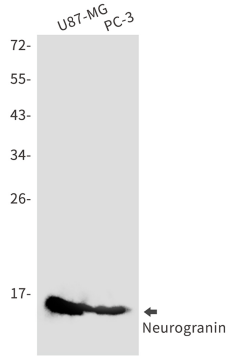
Protein Information

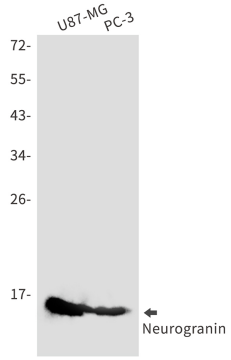
Name	NRGN
Function	Acts as a 'third messenger' substrate of protein kinase C- mediated molecular cascades during synaptic development and remodeling. Binds to calmodulin in the absence of calcium (By similarity).
Tissue Location	In the cerebral cortex, found in the cell bodies of neurons in layers II-VI, and in apical and basal dendrites of pyramidal neurons. Is not found in the dendrites in patients with Alzheimer disease.

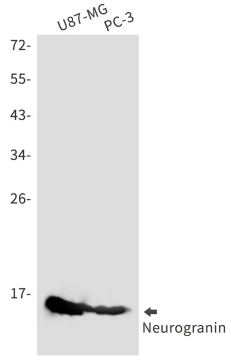
Background

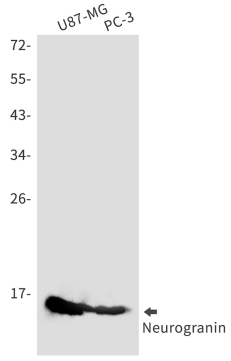
Acts as a 'third messenger' substrate of protein kinase C-mediated molecular cascades during synaptic development and remodeling.

Images









Western blot analysis of Neurogranin in U87-MG, PC-3 lysates using Neurogranin antibody.

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