

Rabbit anti-Human Neurogranin mAb (CAP)

Catalog No.: RM17872

Basic Information

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RM17872

Catagory
Elisa Antibody Kit

Application
ELISA

Product Information

Ig Type
Rabbit IgG

Purification
Affinity purification

Endotoxin Level

Storage
This antibody can be stored at 2°C-8°C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20°C to -80°C.
Preservative □ 0.05% ProClin 300.
Avoid repeated freeze-thaw cycles.

Formulation
Supplied as a 0.2µm filtered solution in PBS with 0.05% ProClin 300, PH 7.4.

Contact

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Background

Neurogranulin (NRGN, also known as RC3, p17 and BICKS) is a protein with a molecular weight of 7.5 kD and consisting of 78 amino acids. It is usually found in the granular structures of the hippocampus and pyramidal cells of the cortex, which gives rise to the name "neurogranule protein". The sequence homology between human and rat coding for NRGN is 90% at the nucleic acid level and 96% at the protein level. In early studies, NRGN was primarily identified as a postsynaptic protein in adult rat telencephalon, specifically in the cell bodies and dendrites of neurons in the cerebral cortex, hippocampus and striatum. Since then, NRGN has been detected at low expression levels in the lung, spleen and bone marrow. In addition, high and moderate levels of NRGN were found in platelets and B-lymphocytes, respectively. The present data strongly suggest that NRGN is involved in synaptic plasticity and regeneration mediated by calcium and calmodulin signalling pathways. NRGN was found to enhance postsynaptic sensitivity and increase synaptic stre...

Immunogen Information

Immunogen
Recombinant Human Neurogranin

Cross-Reactivity

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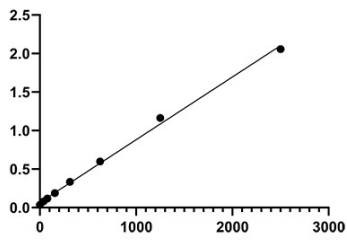
Assay Applications

Human Neurogranin Sandwich ELISA Immunoassay

	Recommended Concentration	Sample
ELISA Capture	1-4ug/mL	Rabbit anti-Human Neurogranin (CAP)(Cat. No.RM17872)
ELISA Detection	0.1-0.4ug/mL	Rabbit anti-Human Neurogranin (DET)(Cat. No.RM17873)
Standard	39.06-2500pg/mL	Recombinant Human Neurogranin Protein

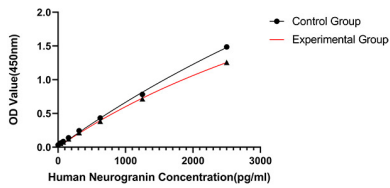
Validation Data

数据 1



This standard curve is only for demonstration purposes. A standard curve should be generated for each assay.

Stability



Placed at 37°C for 3 days, the stability of the standard curve all conform to CV <10%.