

# Rabbit anti-Human Neurogranin mAb

**Catalog No.: RMK0143**

## Basic Information

**Catalog No.**  
RMK0143

**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 0.2um filtered solution in PBS with 0.05% ProClin 300, PH 7.4.

## Contact

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 | [www.abclonal.com](http://www.abclonal.com)

## 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 str...

## Immunogen Information

**Immunogen**  
Recombinant Human Neurogranin protein

## Cross-Reactivity

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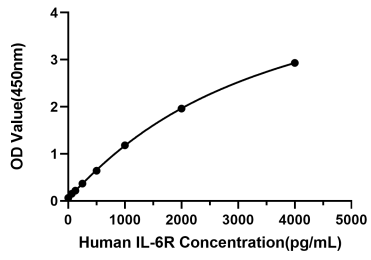
## Assay Applications

Human Interleukin 6 receptor (IL-6R) Sandwich ELISA Immunoassay

	Recommended Concentration	Sample
ELISA Capture	1-4ug/mL	Rabbit anti-Human Interleukin 6 receptor (IL-6R) (CAP)(Cat. No.RMK0142)
ELISA Detection	0.05-0.2ng/mL	Rabbit anti-Human Interleukin 6 receptor (IL-6R) (DET)(Cat. No.RMK0143)
Standard	62.5-4000pg/mL	Recombinant Human Interleukin 6 receptor (IL-6R) Protein(Cat. No.RP00269)

## Validation Data

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