

NEUG rabbit pAb

Cat No.: ES14520

For research use only

Overview

Product Name NEUG rabbit pAb

Host species Rabbit
Applications IHC;IF

Species Cross-Reactivity Human; Mouse;Rat **Recommended dilutions** IHC-p 1: 50-200

Immunogen Synthesized peptide derived from human NEUG AA

range: 23-73

Specificity This antibody detects endogenous levels of NEUG at

Human/Mouse/Rat

Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and

0.02% sodium azide.

Storage Store at -20°C. Avoid repeated freeze-thaw cycles.

Protein Name NEUG
Gene Name NRGN

Cellular localization nucleus,trans-rk transport vesicle

membrane, postsynaptic density, axon, mitochondrial membrane, neuronal cell body, dendritic spine head,

Purification The antibody was affinity-purified from rabbit

antiserum by affinity-chromatography using

epitope-specific immunogen.

Clonality Polyclonal Concentration 1 mg/ml

Observed band

Human Gene ID 4900 Human Swiss-Prot Number Q92686

Alternative Names

Background Neurogranin (NRGN) is the human homolog of the

neuron-specific rat RC3/neurogranin gene. This gene encodes a postsynaptic protein kinase substrate that binds calmodulin in the absence of calcium. The NRGN gene contains four exons and three introns. The exons 1 and 2 encode the protein and exons 3

and 4 contain untranslated sequences. It is

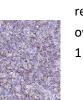


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suggested that the NRGN is a direct target for thyroid hormone in human brain, and that control of expression of this gene could underlay many of the consequences of hypothyroidism on mental states during development as well as in adult subjects. [provided by RefSeq, Jul 2008],



Immunohistochemical analysis of paraffin-embedded human tonsil. 1, Tris-EDTA,pH9.0 was used for antigen retrieval. 2 Antibody was diluted at 1:200(4° overnight.3,Secondary antibody was diluted at 1:200(room temperature, 45min).



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