



A Reliable Research Partner in Life Science and Medicine

NRG1-beta 1 Monoclonal Antibody

catalog number: AN200087P

Note: Centrifuge before opening to ensure complete recovery of vial contents.

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Reactivity Human

Immunogen A synthetic peptide corresponding to the center region of the human NRG1 isoform

beta 1.

 Host
 Mouse

 Isotype
 IgG2b

 Clone
 A935

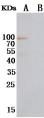
 Purification
 Protein A

Buffer 0.2 µm filtered solution in PBS

Applications Recommended Dilution

WB 1:500-1:2000

Data



Western Blot with NRG1-beta 1 Monoclonal Antibody at dilution of 1:500. Lane A: Human NRG1-beta1 (11609-H01H2) (100ng), Lane B: Human NRG1-alpha (13499-H02H) (100ng)

Preparation & Storage

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-Free. Avoid repeated freeze-thaw cycles.

Shipping lce bag

Background

Neuregulin 1 or NRG1 is one of four proteins in the neuregulin family that act on the EGFR family of receptors. This growth factor was originally identified as a 44-kD glycoprotein that interacts with the NEU/ERBB2 receptor tyrosine kinase to increase its phosphorylation on tyrosine residues. NRG1 is a trophic factor that has been implicated in neural development, neurotransmission, and synaptic plasticity. NRG1 has multiple isoforms that are generated by the usage of different promoters and alternative splicing of a single gene. Neuregulin 1 (NRG1) is essential for the development and function of multiple organ systems, and its dysregulation has been linked to diseases such as cancer and schizophrenia. NRG1 is a schizophrenia candidate gene and plays an important role in brain development and neural function. Schizophrenia is a complex disorder, with etiology likely due to epistasis.

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