

## NRG4 polyclonal antibody

Catalog: BS60986

Host: Rabbit

Reactivity: Human, Mouse, Rat

### BackGround:

NRG4(neuregulin 4) is a member of the neuregulin protein family. The neuregulins consist of four structurally-related proteins that are part of the EGF family of proteins. It has been shown that these proteins have diverse functions in the development of the nervous system and play multiple essential roles in vertebrate embryogenesis including: cardiac development, Schwann cell and oligodendrocyte differentiation, some aspects of neuronal development, as well as the formation of neuromuscular synapses. NRG4 contains 1 EGF-like domain. It activates type-1 growth factor receptors to initiating cell-to-cell signaling through tyrosine phosphorylation. NRG4 is a low affinity ligand for the ERBB4 tyrosine kinase receptor. It concomitantly recruits ERBB1 and ERBB2 coreceptors, resulting in ligand-stimulated tyrosine phosphorylation and activation of the ERBB receptors. However, it does not bind to the ERBB1, ERBB2 and ERBB3 receptors.

### Product:

1 mg/ml in Phosphate buffered saline (PBS) with 0.05% sodium azide, approx. pH 7.3.

### Molecular Weight:

~ 12 kDa

### Swiss-Prot:

Q8WWG1

### Purification&Purity:

The antibody was affinity-purified from rabbit antiserum

by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

### Applications:

WB: 1:500~1:1000

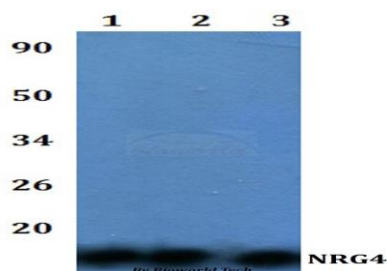
### Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

### Specificity:

TNFAIP6 polyclonal antibody detects endogenous levels of TNFAIP6 protein.

### DATA:



Western blot (WB) analysis of NRG4 polyclonal antibody at 1:500 dilution Lane1:HEK293T whole cell lysate

Lane2:RAW264.7 whole cell lysate Lane3:H9C2 whole cell lysate

### Note:

For research use only, not for use in diagnostic procedure.

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