

NRG4 Antibody (center) Blocking Peptide
Synthetic peptide
Catalog # BP6225b**Specification****NRG4 Antibody (center) Blocking Peptide -
Product Information**Primary Accession [Q8WWG1](#)**NRG4 Antibody (center) Blocking Peptide -
Additional Information****Gene ID** 145957**Other Names**

Pro-neuregulin-4, membrane-bound isoform, Pro-NRG4, Neuregulin-4, NRG-4, NRG4

Target/Specificity

The synthetic peptide sequence used to generate the antibody [AP6225b](/product/products/AP6225b) was selected from the center region of human NRG4. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

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Protein Information****Name** NRG4**NRG4 Antibody (center) Blocking Peptide -
Background**

The Pro-neuregulin-4, membrane-bound isoform contains 1 EGF-like domain and belongs to the neuregulin family. It is low affinity ligand for the ERBB4 tyrosine kinase receptor. 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 (By similarity).

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References**

Memon, A.A., et al., Br. J. Cancer 91(12):2034-2041 (2004).

Function

Low affinity ligand for the ERBB4 tyrosine kinase receptor. Concomitantly recruits ERBB1 and ERBB2 coreceptors, resulting in ligand-stimulated tyrosine phosphorylation and activation of the ERBB receptors. Does not bind to the ERBB1, ERBB2 and ERBB3 receptors (By similarity).

Cellular Location

[Pro-neuregulin-4, membrane-bound isoform]: Cell membrane; Single-pass type I membrane protein. Note=Does not seem to be active.

NRG4 Antibody (center) Blocking Peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)