

NRG4 Rabbit pAb

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Catalog # AP57484

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q8WWG1
Predicted	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	12722
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human NRG4
Epitope Specificity	1-100/115
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Secreted and Cell membrane. Does not seem to be active.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	The neuregulins, including NRG4, activate type-1 growth factor receptors (see EGFR; MIM 131550) to initiating cell-to-cell signaling through tyrosine phosphorylation (Harari et al., 1999 [PubMed 10348342]).[supplied by OMIM, Mar 2008]

Additional Information

Gene ID	145957
Other Names	Pro-neuregulin-4, membrane-bound isoform, Pro-NRG4, Neuregulin-4, NRG-4, NRG4
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA=1:500 0-10000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	NRG4
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.

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Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.