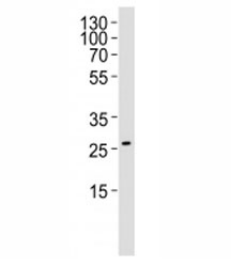
NRG1 Antibody (F52563)

Catalog No.	Formulation	Size
F52563-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F52563-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity
UniProt	Q02297
Applications	Western blot: 1:1000
Limitations	This NRG1 antibody is available for research use only.



Western blot analysis of lysate from RD cell line (human rhabdomyosarcoma) using NRG1 antibody at 1:1000. Predicted molecular weight of multiple isofoms: 26-70 kDa.

Description

Direct ligand for ERBB3 and ERBB4 tyrosine kinase receptors. Concomitantly recruits ERBB1 and ERBB2 coreceptors, resulting in ligand-stimulated tyrosine phosphorylation and activation of the ERBB receptors. The multiple isoforms perform diverse functions such as inducing growth and differentiation of epithelial, glial, neuronal, and skeletal muscle cells; inducing expression of acetylcholine receptor in synaptic vesicles during the formation of the neuromuscular junction; stimulating lobuloalveolar budding and milk production in the mammary gland and inducing differentiation of mammary tumor cells; stimulating Schwann cell proliferation; implication in the development of the myocardium such as trabeculation of the developing heart. Isoform 10 may play a role in motor and sensory neuron development.

For additional information on neuregulin biology and broader human, mouse and rat validation, visit our NRG1 Antibody / ErbB Receptor Ligand Antibody page.

Application Notes

Titration of the NRG1 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A peptide corresponding to the amino acids surrounding Q212 were used as the immunogen for this NRG1 antibody.

Storage

Aliquot the NRG1 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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