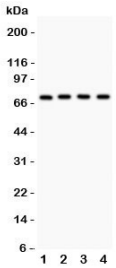
Neuregulin-1 Antibody (R31712)

Catalog No.	Formulation	Size
R31712	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide
Gene ID	3084
Localization	Cytoplasmic, can be nuclear and membrane
Applications	Western blot: 0.5-1ug/ml
Limitations	This Neuregulin-1 antibody is available for research use only.



Western blot testing of Neuregulin-1 antibody and Lane 1: MCF-7; 2: SKOV; 3: 22RV1; 4: COLO320 lysate. Predicted/observed size ~70KD

Description

Neuregulin-1 is a membrane glycoprotein that that mediates cell-cell signaling and plays a critical role in the growth and development of multiple organ systems. An extraordinary variety of different isoforms are produced from the NRG1 gene through alternative promoter usage and splicing. These isoforms are expressed in a tissue-specific manner and differ significantly in their structure, and are classified as types I, II, III, IV, V and VI. Dysregulation of this gene has been linked to diseases such as cancer, schizophrenia, and bipolar disorder (BPD).

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

Application Notes

The stated application concentrations are suggested starting amounts. Titration of the Neuregulin-1 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

Human partial recombinant protein (AA 2-241) was used as the immunogen for this Neuregulin-1 antibody.

Storage

After reconstitution, the Neuregulin-1 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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