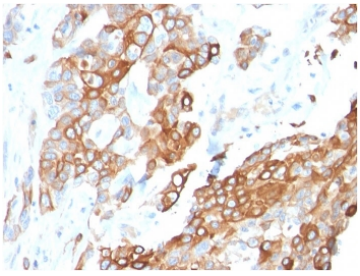
Neuregulin-1 Antibody / NRG1 [clone NRG1/2710] (V7841)

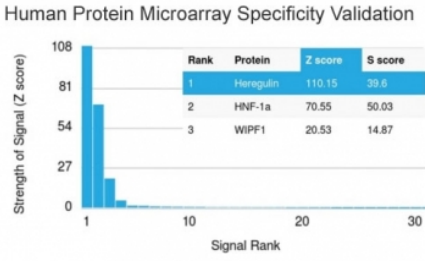
Catalog No.	Formulation	Size
V7841-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V7841-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V7841SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

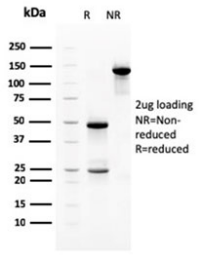
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	NRG1/2710
Purity	Protein G affinity chromatography
UniProt	Q02297
Applications	Immunohistochemistry (FFPE): 1-2ug/ml
Limitations	This Neuregulin-1 antibody is available for research use only.



IHC staining of FFPE human breast carcinoma with Neuregulin-1 antibody (clone NRG1/2710). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 10-20 min and allow to cool before testing.



Analysis of HuProt(TM) microarray containing more than 19,000 full-length human proteins using Neuregulin-1 antibody (clone NRG1/2710). These results demonstrate the foremost specificity of the NRG1/2710 mAb.
Z- and S- score: The Z-score represents the strength of a signal that an antibody (in combination with a fluorescently-tagged anti-IgG secondary Ab) produces when binding to a particular protein on the HuProt(TM) array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If the targets on the HuProt(TM) are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-scores. The S-score therefore represents the relative target specificity of an Ab to its intended target.



SDS-PAGE analysis of purified, BSA-free Neuregulin-1 antibody (clone NRG1/2710) as confirmation of integrity and purity.

Description

Neuregulin-1, also called Heregulin-1, is a membrane glycoprotein 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 this 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

Optimal dilution of the Neuregulin-1 antibody should be determined by the researcher.

Immunogen

A recombinant human partial protein (amino acids 21-242) was used as the immunogen for the Neuregulin-1 antibody.

Storage

Store the Neuregulin-1 antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).

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