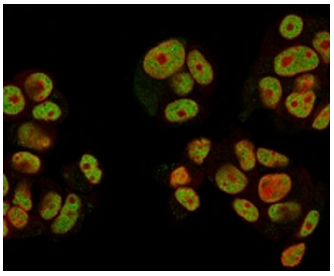
Neuregulin-1 Antibody / NRG1 [clone NRG1/2752] (V7284)

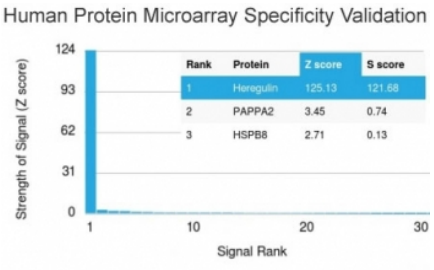
Catalog No.	Formulation	Size
V7284-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V7284-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V7284SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

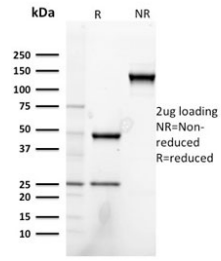
Species Reactivity	Human
Format	Purified
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG
Clone Name	NRG1/2752
Purity	Protein G affinity chromatography
UniProt	Q02297
Localization	Cytoplasmic, plasma membrane, nuclear
Applications	ELISA (order BSA/sodium Azide-free Format For Coating) : Immunofluorescence : 1-2ug/ml
Limitations	This Neuregulin-1 antibody is available for research use only.



Immunofluorescent staining of human MCF7 cells with Neuregulin-1 antibody (clone NRG1/2752, green) and Reddot nuclear stain (red).



Analysis of HuProt(TM) microarray containing more than 19,000 full-length human proteins using Neuregulin-1 antibody (clone NRG1/2752). These results demonstrate the foremost specificity of the NRG1/2752 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 NRG1/2752) as confirmation of integrity and purity.

Description

Heregulin-1 / Neuregulin-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).

Application Notes

The concentration stated for each application is a general starting point. Variations in protocols, secondaries and substrates may require the Neuregulin-1 antibody to be titered up or down for optimal performance.

1. The prediluted format is supplied in a dropper bottle and is optimized for use in IHC. After epitope retrieval step (if required), drip mAb solution onto the tissue section and incubate at RT for 30 min.

Immunogen

A portion of amino acids 21-242 from the human protein was used as the immunogen for this Neuregulin-1 antibody.

Storage

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