

NRG1

Reactivity: Human

Tested applications: WB IHC FC

Recommended Dilution: WB 1:200 - 1:2000 IHC 1:50 - 1:200 FC 1:20 - 1:50

Calculated MW: 32kDa

Observed MW: Refer to Figures

Immunogen:

A synthetic peptide of human NRG1

Storage Buffer:

Store at 4. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Synonym:

NRG1;ARIA;GGF;GGF2;HGL;HRG;HRG1;HRGA;NDF;SMDF;

Catalog #: A0085

Antibody Type:

Polyclonal Antibody

Species: Rabbit

Gene ID: 3084

Isotype: IgG

Swiss Prot: Q02297

Purity: Affinity purification

For research use only.

Background:

Heregulin (HRG), also called neuregulin (NRG1), neu differentiation factor (NDF) or glial growth factor-2 (GGF-2), is a soluble growth factor synthesized as a transmembrane precursor molecule. Metalloproteinases and other proteases catalyze the cleavage of its extracellular domain which is then released and functions as a ligand for ErbB3 and ErbB4 receptor tyrosine kinase. The signaling pathways of HRG-ErbB3/ErbB4 are involved in regulation of cell proliferation, differentiation, invasion, and survival of both normal and malignant tissues (1,2). Abnormality of HRG-ErbB signaling leads to development of a variety of human diseases. HRG family has four isoforms including HRG-1, -2, -3 and -4, which are derived from alternative exon splicing. Moreover, they showed various tissue expression and biological activities (3).

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