

## 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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