

Neuregulin/Heregulin-1 β Antibody

CATALOG NO:	6650- 30T 30 μ g (Trial size) 6650-100 100 μ g
ALTERNATE NAMES:	NGR beta 1, Heregulin, HRG 1beta, Neuregulin
HOST:	Rabbit
ISOTYPE:	IgG
IMMUNOGEN:	Recombinant protein Heregulin-1 beta (177-241 aa)
INTERNAL I.D.:	BV-M66
PURIFICATION:	Affinity purified rabbit IgG
FORM:	Liquid
FORMULATION:	0.5 mg/ml in PBS (pH 7.2) containing 30% glycerol, 0.5% BSA, 5 mM EDTA and 0.03% proclin
SPECIES REACTIVITY:	Human
STORAGE CONDITIONS:	Store for 1 year at -20°C from date of shipment. Avoid repeated freeze/thaw cycles.

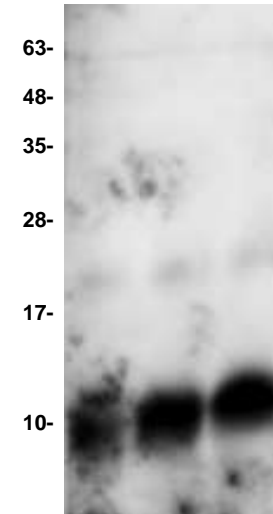
DESCRIPTION:

Neuregulin/Heregulin is a family of structurally related polypeptide growth factors derived from alternatively spliced genes (NRG1, NRG2, NRG3 and NRG4). To date, there are over 14 soluble and transmembrane proteins derived from the NRG1 gene. Proteolytic processing of the extracellular domain of the transmembrane NRG1 isoforms release soluble growth factors. HRG1- β 1 contains an Ig domain and an EGF-like domain that is necessary for direct binding to receptor tyrosine kinases erb3 and erb4. This binding induces erb3 and erb4 heterodimerization with erb2, stimulating intrinsic kinase activity, which leads to tyrosine phosphorylation. Although HRG1- β 1 biological effects is still unclear, it has been found to promote motility and invasiveness of breast cancer cells which may also involve up-regulation of expression and function of the autocrine motility-promoting factor (AMF). Recombinant human Heregulin- β 1 (HRG1- β 1) is a 7.5 kDa polypeptide consisting of only the EGF domain of Heregulin- β 1 (65 amino acid residues).

APPLICATION:

The antibody can be used for Western blot analysis (~1:200 dilution). However, the optimal conditions should be determined individually. Other applications have not been determined.

Note: This information is only intended as a guide. The optimal dilutions must be determined by the user.



Western blot of Heregulin-1 beta antibody

Lane 1: Heregulin-1 beta (177-241 aa) - 50 ng.
Lane 2: Heregulin-1 beta (177-241 aa) - 100 ng.
Lane 3: Heregulin-1 beta (177-241 aa) - 150 ng.

RELATED PRODUCTS:

- Heregulin-1 β (NRG-1 β /HRG-1 β), human recombinant (**Cat. No. 4711-10, -50, -1000**)
- Heregulin- β 2 (HRG2 β), Human Recombinant (**Cat. No. 4730-10, -50, -1000**)
- Heregulin- β 2/Neuregulin-1 Antibody (**Cat. No. 6645-100**)

FOR RESEARCH USE ONLY! Not to be used on humans.