

NRG4 Polyclonal Antibody

Catalog No: YN2440

Reactivity: Human; Mouse

Applications: WB;ELISA

Target: NRG4

Fields: >>ErbB signaling pathway;>>Amyotrophic lateral sclerosis

Gene Name: NRG4

Protein Name: Pro-neuregulin-4, membrane-bound isoform (Pro-NRG4) [Cleaved into:

Neuregulin-4 (NRG-4)]

Q8WWG1

Q9WTX4

Human Gene Id: 145957

Human Swiss Prot

No:

Mouse Swiss Prot

No:

Immunogen: Synthesized peptide derived from human protein . at AA range: 11-60

Specificity: NRG4 Polyclonal Antibody detects endogenous levels of protein.

Formulation : Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.

Source: Polyclonal, Rabbit, IgG

Dilution: WB 1:500-2000 ELISA 1:5000-20000

Purification: The antibody was affinity-purified from rabbit antiserum by affinity-

chromatography using epitope-specific immunogen.

Concentration: 1 mg/ml

Storage Stability: -15°C to -25°C/1 year(Do not lower than -25°C)

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Observed Band: 12kD

Cell Pathway: ErbB_HER;

Background: The neuregulins, including NRG4, activate type-1 growth factor receptors (see

EGFR; MIM 131550) to initiating cell-to-cell signaling through tyrosine

phosphorylation (Harari et al., 1999 [PubMed 10348342]).[supplied by OMIM,

Mar 2008],

Function: domain: ERBB receptor binding is elicited entirely by the EGF-like

domain.,domain:The cytoplasmic domain may be involved in the regulation of trafficking and proteolytic processing. Regulation of the proteolytic processing involves initial intracellular domain dimerization.,function:Low affinity ligand for the ERBB4 tyrosine kinase receptor. Concomitantly recruits ERBB1 and ERBB2 coreceptors, resulting in ligand-stimulated tyrosine phosphorylation and activation

of the ERBB receptors. Does not bind to the ERBB1, ERBB2 and ERBB3 receptors.,PTM:Extensive glycosylation precedes the proteolytic

cleavage.,PTM:Proteolytic cleavage close to the plasma membrane on the

external face leads to the release of the soluble growth factor

form., similarity: Belongs to the neuregulin family., similarity: Contains 1 EGF-like

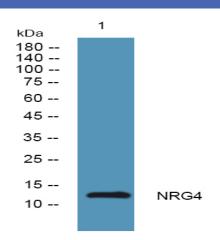
domain., subcellular location: Does not seem to be active.,

Subcellular Location:

[Pro-neuregulin-4, membrane-bound isoform]: Cell membrane; Single-pass type I membrane protein. Does not seem to be active..; [Neuregulin-4]: Secreted.

Expression : Breast, Liver, Prostate,

Products Images



Western blot analysis of lysates from DU145 cells, primary antibody was diluted at 1:1000, 4° over night