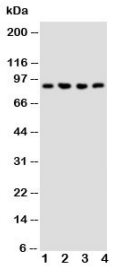
NRG2 Antibody (R30720)

Catalog No.	Formulation	Size
R30720	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide/thimerosal
UniProt	O14511
Applications	Western blot: 0.5-1ug/ml
Limitations	This NRG2 antibody is available for research use only.



Western blot testing of NRG2 antibody and Lane 1: rat liver; 2: human COLO320; 3: SMMC-7721; 4: SW620 cell lysate. Predicted size: ~90KD

Description

Neuregulin 2, also known as DON1 or NTAK, is a protein that in humans is encoded by the NRG2 gene. Neuregulin 2 is a member of the neuregulin family of growth and differentiation factors. Through interaction with the ErbB family of receptors, NRG2 induces the growth and differentiation of epithelial, neuronal, glial, and other types of cells. The human gene contains 12 exons and the mouse Nrg2 gene contains 12 exons and spans about 180 kb. The genomic structure is similar to that of neuregulin 1(NRG1), another member of the neuregulin family of ligands. NRG1 and NRG2 mediate distinct biological processes by acting at different sites in tissues and eliciting different biological responses in cells. In particular, the neuregulin-ERBB signaling pathways play crucial roles in regulating the proliferation and differentiation of

Schwann cells, the myelin-forming cells in the peripheral nervous system.

Application Notes

The stated application concentrations are suggested starting amounts. Titration of the NRG2 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

An amino acid sequence from the middle region of human NRG2 (NGRKNSRLQFNKVKVEDA) was used as the immunogen for this NRG2 antibody.

Storage

After reconstitution, the NRG2 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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