

Basic Information

Product Name	Anti-NRG1 Antibody
Gene Name	NRG1
Source	Rabbit
Clonality	Polyclonal
Isotype	IgG
Species Reactivity	human, mouse, rat
Tested Application	WB
Contents	500 ug/ml antibody with PBS, 0.02% NaN ₃ , 1 mg/ml BSA and 50% glycerol.
Immunogen	E.coli-derived human NRG1 recombinant protein (Position: S2-K241). Human NRG1 shares 94% amino acid (aa) sequence identity with rat NRG1.
Concentration	500 ug/ml
Purification	Immunogen affinity purified.
Observed MW	70 kDa
Dilution Ratios	Western blot (WB):1:500-2000

Storage

12 months from date of receipt, -20°C as supplied.

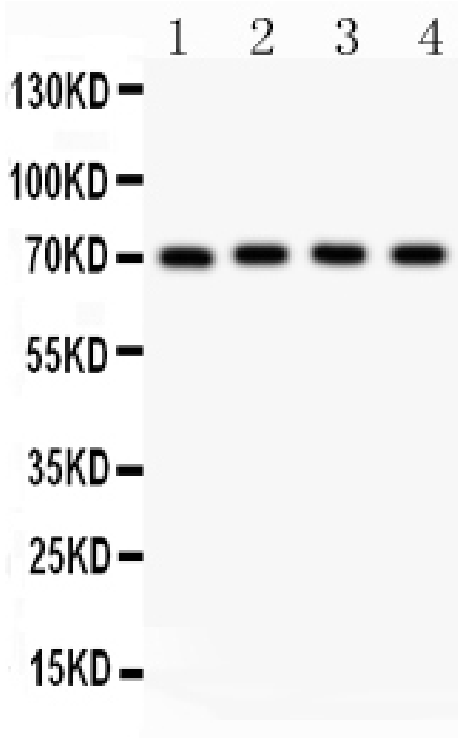
Background Information

NRG1(Neuregulin 1), also known as ARIA, NDF or HRGA, is a protein that in humans is encoded by the NRG1 gene. NRG1 is one of four proteins in the neuregulin family that act on the EGFR family of receptors. By in situ hybridization of a tritium-labeled probe to human metaphase spreads, Orr-Urtreger et al.(1993) localized the NDF gene to 8p21-p12. In mouse embryos 14.5 days postcoitum, Orr-Urtreger et al.(1993) found that NDF expression is confined predominantly to the central and peripheral nervous systems, including the neuroepithelium that lines the lateral ventricles of the brain, the ventral horn of the spinal cord, and the intestinal as well as dorsal root ganglia.

Reference

Anti-NRG1 Antibody被引用在3文献中。

Selected Validation Data



Western blot analysis of NRG1 using anti-NRG1 antibody (PB0328). The sample well of each lane was loaded with 30 ug of sample under reducing conditions.

Lane 1: MCF-7 whole cell lysates,

Lane 2: SKOV whole cell lysates,

Lane 3: 22RV1 whole cell lysates,

Lane 4: COLO320 whole cell lysates.

After electrophoresis, proteins were transferred to a membrane. Then the membrane was incubated with rabbit anti-NRG1 antigen affinity purified polyclonal antibody (PB0328) at a dilution of 1:1000 and probed with a goat anti-rabbit IgG-HRP secondary antibody (Catalog # BA1054). The signal is developed using ECL Plus Western Blotting Substrate (Catalog # AR1197). A specific band was detected for NRG1 at approximately 70 kDa. The expected band size for NRG1 is at 70 kDa.