

Basic Information

Product Name	Anti-Nogo receptor/RTN4R Antibody
Gene Name	RTN4R
Source	Rabbit
Clonality	Polyclonal
Isotype	IgG
Species Reactivity	human, mouse, rat
Tested Application	WB, ELISA
Contents	500 ug/ml antibody with PBS, 0.02% NaN ₃ , 1 mg/ml BSA and 50% glycerol.
Immunogen	E.coli-derived human Nogo receptor/NgR1/RTN4R recombinant protein (Position: P56-R416).
Concentration	500 ug/ml
Purification	Immunogen affinity purified.
Observed MW	70 kDa
Dilution Ratios	Western blot (WB): 1:500-2000 Enzyme linked immunosorbent assay (ELISA):1:100-1000

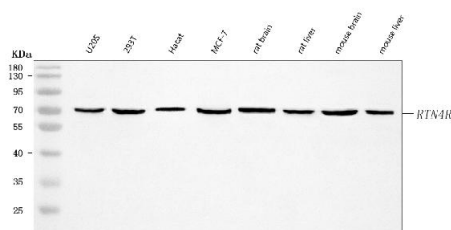
Storage

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

Background Information

Reticulon 4 receptor (RTN4R) also known as Nogo-66 Receptor (NgR) or Nogo receptor 1 is a protein which in humans is encoded by the RTN4R gene. This gene encodes the receptor for reticulon 4, oligodendrocyte myelin glycoprotein and myelin-associated glycoprotein. This receptor mediates axonal growth inhibition and may play a role in regulating axonal regeneration and plasticity in the adult central nervous system.

Selected Validation Data



Western blot analysis of anti-Nogo receptor/RTN4R antibody (A02250-2). The sample well of each lane was loaded with 30 ug of sample under reducing conditions.

Lane 1: human U20S whole cell lysates,

Lane 2: human 293T whole cell lysates,

Lane 3: human Hacat whole cell lysates,

Lane 4: human MCF-7 whole cell lysates,

Lane 5: rat brain tissue lysates,

Lane 6: rat liver tissue lysates,

Lane 7: mouse brain tissue lysates,

Lane 8: mouse liver tissue lysates.

After electrophoresis, proteins were transferred to a membrane.

Then the membrane was incubated with rabbit anti-Nogo receptor/RTN4R antigen affinity purified polyclonal antibody (A02250-2) 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 Nogo receptor/RTN4R at approximately 70 kDa.

The expected band size for Nogo receptor/RTN4R is at 63 kDa.