

Basic Information

Product Name	Anti-Nogo receptor/RTN4R Antibody (Clone#22R65)
Gene Name	RTN4R
Source	Rabbit
Clonality	Monoclonal
Isotype	IgG
Species Reactivity	human, mouse
Tested Application	WB, IP
Contents	500 ug/ml; Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide, 0.4-0.5 mg/ml BSA and 50% glycerol.
Immunogen	A synthesized peptide derived from human Nogo Receptor
Concentration	500 ug/ml
Purification	Affinity-chromatography
Observed MW	70 kDa
Dilution Ratios	Western blot (WB): 1:1000-5000 ImmunoPrecipitation (IP):1:50

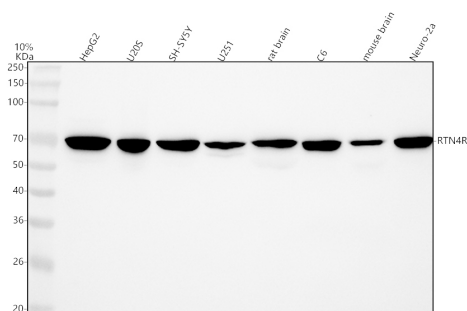
Storage

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

Background Information

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

**Anti-Nogo receptor/RTN4R Antibody
(Clone#22R65)****Catalog Number: M02250**

Western blot analysis of anti-Nogo receptor/RTN4R antibody (M02250). The sample well of each lane was loaded with 30 ug of sample under reducing conditions.

Lane 1: human HepG2 whole cell lysates,

Lane 2: human U2OS whole cell lysates,

Lane 3: human SH-SY5Y whole cell lysates,

Lane 4: human U251 whole cell lysates,

Lane 5: rat brain tissue lysates,

Lane 6: rat C6 whole cell lysates,

Lane 7: mouse brain tissue lysates,

Lane 8: mouse Neuro-2a whole cell lysates.

After electrophoresis, proteins were transferred to a membrane.

Then the membrane was incubated with rabbit anti-Nogo receptor/RTN4R antigen affinity purified monoclonal antibody (M02250) 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 Nogo receptor/RTN4R at approximately 70 kDa. The expected band size for Nogo receptor/RTN4R is at 51 kDa.