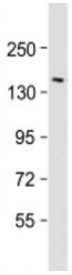
RTN4 Antibody / Reticulon 4 / Nogo A (F53834)

Catalog No.	Formulation	Size
F53834-0.2ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.2 ml
F53834-0.05ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.05 ml

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Predicted Reactivity	Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity
UniProt	Q9NQC3
Applications	Western blot: 1:1000-2000
Limitations	This RTN4 antibody is available for research use only.



Western blot testing of human brain lysate with RTN4 antibody at 1:2000. Predicted molecular weight ~130 kDa but may be observed at up to ~220 kDa.

Description

Reticulon-4 is a developmental neurite growth regulatory factor with a role as a negative regulator of axon-axon adhesion and growth, and as a facilitator of neurite branching. Regulates neurite fasciculation, branching and extension in the developing nervous system. Involved in down-regulation of growth, stabilization of wiring and restriction of plasticity in the adult CNS. Regulates the radial migration of cortical neurons via an RTN4R-LINGO1 containing receptor complex (By similarity). Isoform 2 reduces the anti-apoptotic activity of Bcl-xl and Bcl-2. This is likely consecutive to their change in

subcellular location, from the mitochondria to the endoplasmic reticulum, after binding and sequestration. Isoform 2 and isoform 3 inhibit BACE1 activity and amyloid precursor protein processing.

Application Notes

Titration of the RTN4 antibody may be required due to differences in protocols and substrate sensitivity.

Immunogen

A portion of amino acids 28-58 from the human protein was used as the immunogen for the RTN4 antibody.

Storage

Aliquot the RTN4 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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