

Datasheet for ABIN725480

**anti-Reticulon 4 antibody (AA 301-400)**[Go to Product page](#)**1** Image

## Overview

Quantity:	100 µL
Target:	Reticulon 4 (RTN4)
Binding Specificity:	AA 301-400
Reactivity:	Human, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Reticulon 4 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Flow Cytometry (FACS), Immunohistochemistry (Frozen Sections) (IHC (fro))

## Product Details

Immunogen:	KLH conjugated synthetic peptide derived from mouse RTN4 protein
Isotype:	IgG
Cross-Reactivity:	Human, Rat
Predicted Reactivity:	Mouse
Purification:	Purified by Protein A.

## Target Details

Target:	Reticulon 4 (RTN4)
---------	--------------------

## Target Details

Alternative Name:	Nogo-A ( <a href="#">RTN4 Products</a> )
Background:	<p>Synonyms: ASY, NgA, NOGO, NSP-CL, Nogo-A, Nogo-B, Nogo-C, AA407876, AA409940, AA960376, mKIAA0886, mKIAA4153, 1110020G17Rik, C130026I10Rik, Reticulon-4, Neurite outgrowth inhibitor, Nogo protein, Rtn4, Kiaa0886</p> <p>Background: 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. May inhibit BACE1 activity and amyloid precursor protein processing.</p>
Gene ID:	68585
UniProt:	<a href="#">Q99P72</a>
Pathways:	<a href="#">Neurotrophin Signaling Pathway</a> , <a href="#">Regulation of Cell Size</a> , <a href="#">SARS-CoV-2 Protein Interactome</a>

## Application Details

Application Notes:	WB 1:300-5000 ELISA 1:500-1000 FCM 1:20-100 IHC-P 1:200-400 IHC-F 1:100-500 IF(IHC-P) 1:50-200 IF(IHC-F) 1:50-200 IF(ICC) 1:50-200
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	0.01M TBS( pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

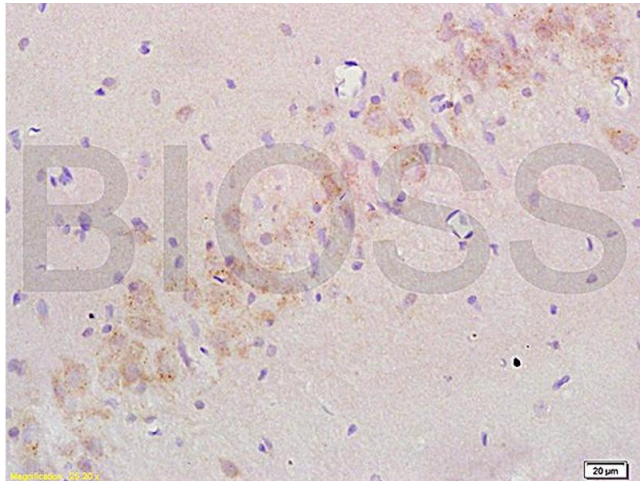
## Handling

Storage: 4 °C, -20 °C

Storage Comment: Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Expiry Date: 12 months

## Images



### Immunohistochemistry

**Image 1.** Formalin-fixed and paraffin embedded: rat brain tissue labeled with Anti-Nogo-A Polyclonal Antibody (ABIN725480), Unconjugated at 1:200 followed by conjugation to the secondary antibody and DAB staining