

Datasheet for ABIN7043601
anti-RTN4R antibody (Extracellular)[Go to Product page](#)

4 Images

Overview

Quantity:	25 µL
Target:	RTN4R
Binding Specificity:	AA 366-381, Extracellular
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Flow Cytometry (FACS), Immunofluorescence (IF), Immunocytochemistry (ICC), Live Cell Imaging (LCI)

Product Details

Immunogen:	Immunogen: Synthetic peptide Immunogen Sequence: (C)GDSPPGNGSGPRHIND corresponding to amino acid residues 366-381 of the human Nogo receptor
Isotype:	IgG
Characteristics:	Anti-Nogo Receptor (extracellular) Antibody is directed against an extracellular epitope of the human Nogo receptor. Anti-Nogo Receptor (extracellular) Antibody (ABIN7043601, ABIN7044757 and ABIN7044758)) can be used in western blot, immunohistochemistry and live cell imaging applications. It has been designed to recognize NgR from human, mouse and rat samples.
Purification:	Affinity purified on immobilized antigen.

Target Details

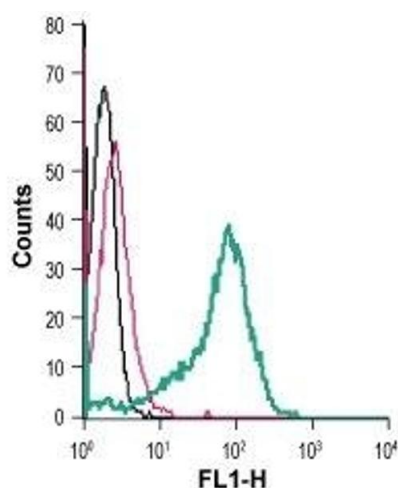
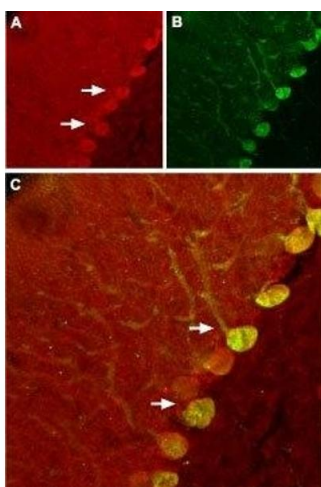
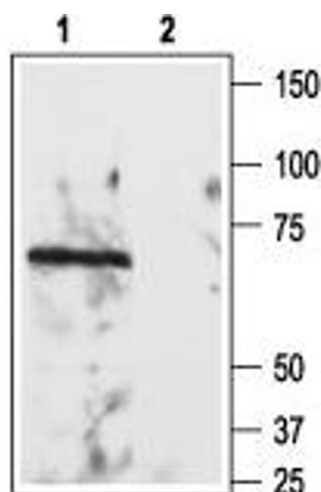
Target:	RTN4R
Alternative Name:	Nogo Receptor (RTN4R Products)
Background:	Alternative names: Nogo Receptor, NogoR, Nogo-R, NgR, NgR1, Nogo-66 receptor, Reticulon 4 receptor, RTN4R
Gene ID:	65078
NCBI Accession:	NM_023004
UniProt:	Q9BZR6
Pathways:	Neurotrophin Signaling Pathway

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	25 µL, 50 µL or 0.2 mL double distilled water (DDW), depending on the sample size.
Concentration:	0.8 mg/mL
Buffer:	Reconstituted antibody contains phosphate buffered saline (PBS), pH 7.4, 1 % BSA, 0.05 % Sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	RT, 4 °C, -20 °C
Storage Comment:	<p>Storage before reconstitution: The antibody ships as a lyophilized powder at room temperature. Upon arrival, it should be stored at -20°C.</p> <p>Storage after reconstitution: The reconstituted solution can be stored at 4°C for up to 1 week. For longer periods, small aliquots should be stored at -20°C. Avoid multiple freezing and thawing. Centrifuge all antibody preparations before use (10000 x g 5 min).</p>



Western Blotting

Image 1. Western blot analysis of rat brain lysate: - 1. Anti-Nogo Receptor (extracellular) Antibody (ABIN7043601, ABIN7044757 and ABIN7044758), (1:200). 2. Anti-Nogo Receptor (extracellular) Antibody, preincubated with Nogo Receptor (extracellular) Blocking Peptide (#BLP-NT008).

Immunohistochemistry

Image 2. Expression of Nogo receptor in rat cerebellum - Immunohistochemical staining of rat cerebellum using Anti-Nogo Receptor (extracellular) Antibody (ABIN7043601, ABIN7044757 and ABIN7044758). A. NgR (red) appears in Purkinje cells (arrows). B. Staining of Purkinje nerve cells with mouse anti-calbindin D28K (a calcium binding protein, green). C. Confocal merge of NgR and calbindin D28K demonstrates some co-localization of these proteins.

Flow Cytometry

Image 3. Cell surface detection of Nogo Receptor in live intact human THP-1 monocytic leukemia cells: (black line) Cells. (red line) Cells + goat-anti-rabbit-FITC. (green line) Cells + Anti-Nogo Receptor (extracellular) Antibody (ABIN7043601, ABIN7044757 and ABIN7044758), (2.5 µg) + goat-anti-rabbit-FITC.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN7043601.