Data Sheet (Cat.No.TMAC-02870)

Anti-RTN4 Antibody (3H783)

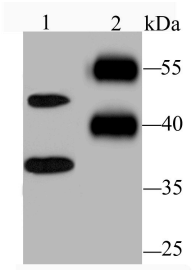
Product Details

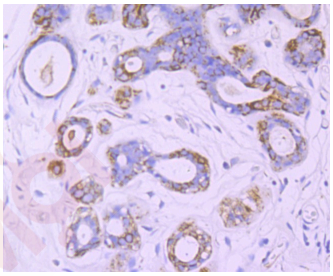
Ig Type:	IgG
Reactivity:	Human,Mouse
Conjugation:	Unconjugated
Clone:	3H783
Purification:	ProA affinity purified

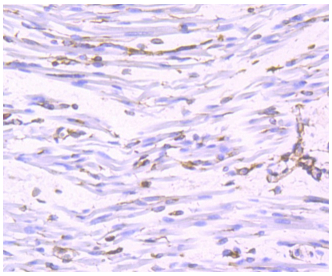
Applications

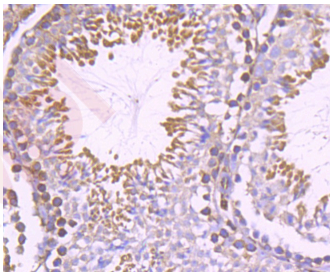
Verified Activity:

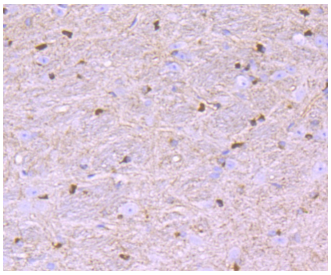
1. Western blot analysis of Nogo on mouse skeletal muscle tissue (1) and Hela cell (2) lysate using anti-Nogo antibody at 1/1,000 dilution.
2. Immunohistochemical analysis of paraffin-embedded human breast tissue using anti-Nogo antibody. Counter stained with hematoxylin.
3. Immunohistochemical analysis of paraffin-embedded human fetal skeletal muscle tissue using anti-Nogo antibody. Counter stained with hematoxylin.
4. Immunohistochemical analysis of paraffin-embedded mouse testis tissue using anti-Nogo antibody. Counter stained with hematoxylin.
5. Immunohistochemical analysis of paraffin-embedded mouse brain tissue using anti-Nogo antibody. Counter stained with hematoxylin.
6. ICC staining Nogo in A549 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.
7. ICC staining Nogo in HepG2 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.
8. ICC staining Nogo in SH-SY5Y cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.
9. Flow cytometric analysis of Hela cells with Nogo antibody at 1/100 dilution (red) compared with an unlabelled control (cells without incubation with primary antibody; black).

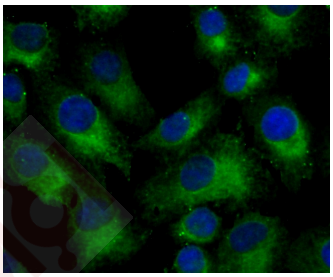


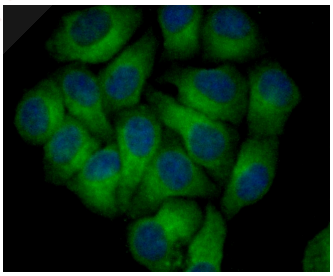


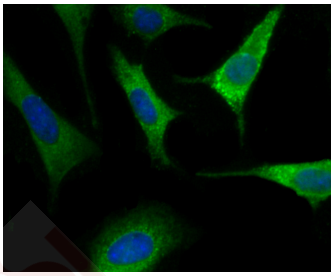


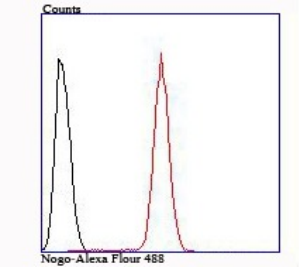












Application: FCM,ICC/IF,IHC,IP,WB

Recommended: WB: 1:500-2000; IHC: 1:50-200; ICC/IF: 1:50-200; IP: 1:10-50; FCM: 1:50-100

Properties

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

Antigen Details

Immunogen: Recombinant Protein

Uniprot ID: Q9NQC3

Synonyms: RTN 4

Research 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. Isoform 2 reduces the 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.

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481