SunLong Biotech Co.,LTD
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Rabbit Anti-Nogo-A antibody

SLM-54643R

Product Name	Nogo-A
Chinese Name	轴索过度生长抑制因子-ARecombinant rabbit monoclonal anti
Alias	Nogo A; reticulon-4 isoform D; ASY; Foocen; Human NogoA; KIAA0886; My043 protein; Nbla00271; Nbla10545; Neurite growth inhibitor 220; Neurite Outgrowth Inhibitor; Neuroendocrine specific protein; Neuroendocrine specific protein C homolog; NI220/250; Nogo A; NOGO; Nogo protein; NogoA; NSP; NSP CL; Reticulon 4; Reticulon 5; Reticulon4; Reticulon5; RTN 4; RTN 4A; RTN X; RTN xL; RTN4 A; RTN4; RTN4 B1; RTN4 B2; RTN4 C; RTN4 protein; RTN4_HUMAN; Reticulon-4; Neuroendocrine-specific protein.
Research Area	Cell biology Neurobiology
Immunogen Species	Rabbit
Clonality	Monoclonal
React Species	Human,Mouse
Applications	WB=1:500-1000,ICC/IF=1:50-200 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Theoretical molecular weight	131kDa
Cellular localization	cytoplasmic The cell membrane
Form	Liquid
Concentration	1mg/ml
immunogen	KLH conjugated synthetic peptide derived from human Nogo-A
Lsotype	IgG
Purification	affinity purified by Protein A
Buffer Solution	1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol.
Storage	Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Attention	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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PubMed PubMed

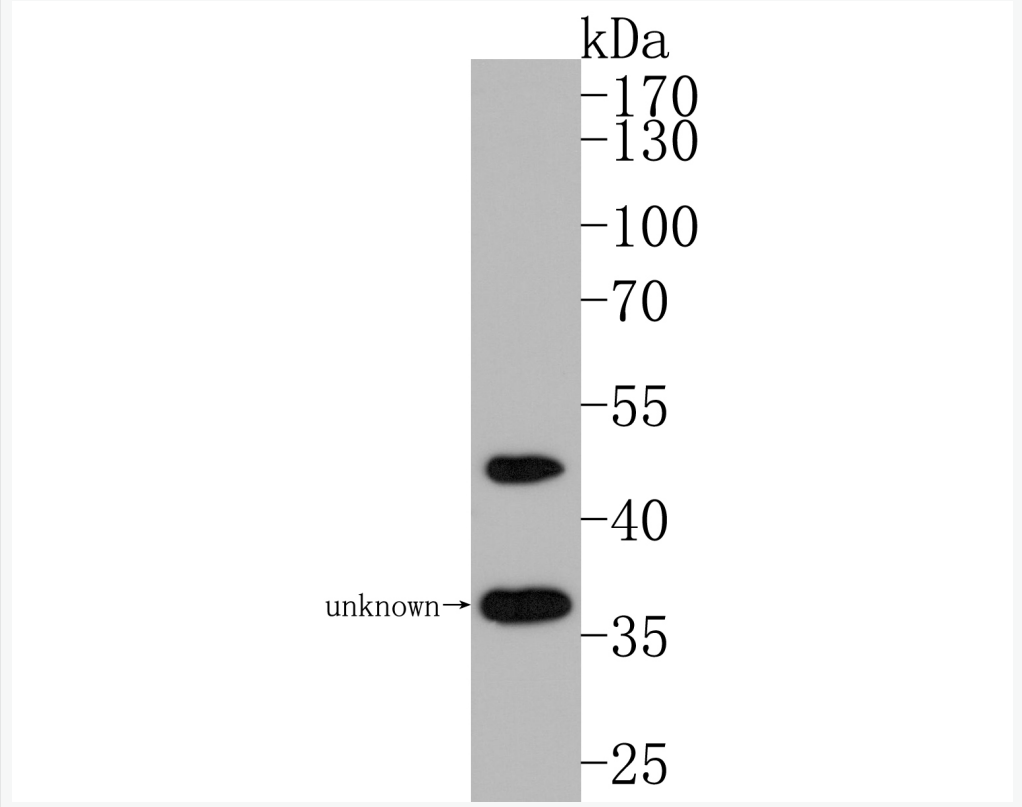
Product Detail

This gene belongs to the family of reticulon encoding genes. Reticulons are associated with the endoplasmic reticulum, and are involved in neuroendocrine secretion or in membrane trafficking in neuroendocrine cells. The product of this gene is a potent neurite outgrowth inhibitor which may also help block the regeneration of the central nervous system in higher vertebrates. Alternatively spliced transcript variants derived both from differential splicing and differential promoter usage and encoding different isoforms have been identified. [provided by RefSeq, Jul 2008].

SWISS:
Q9NQC3

Gene ID:
57142

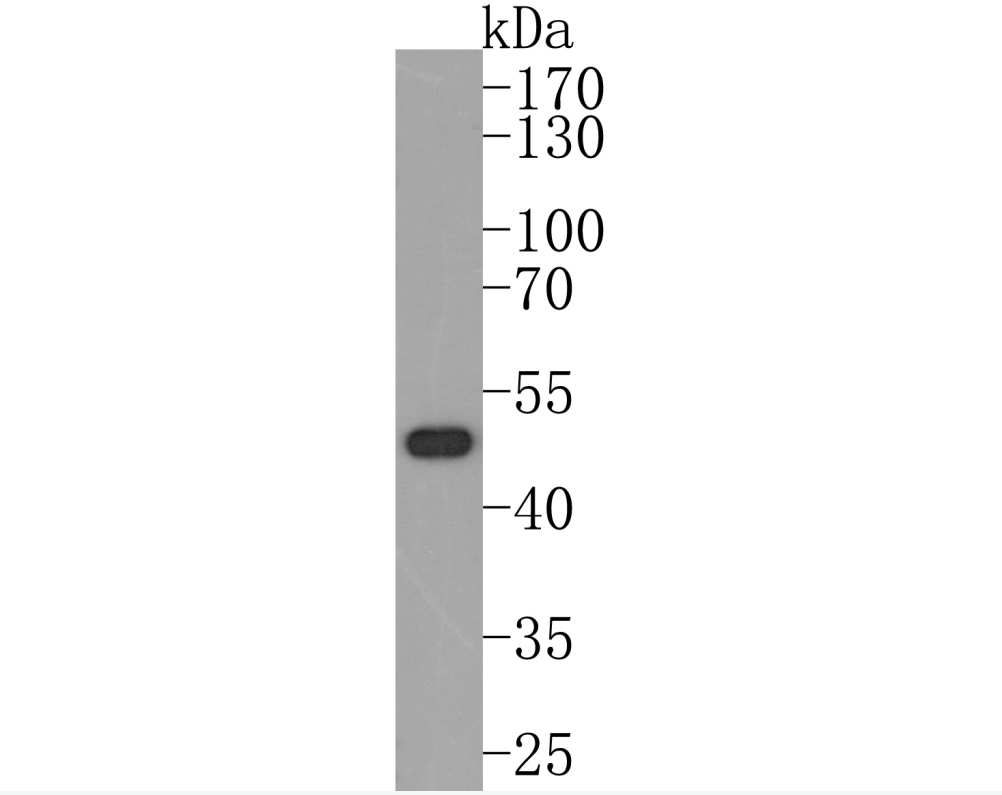
Product Picture



Western blot analysis of Nogo on mouse skeletal muscle tissue lysates.

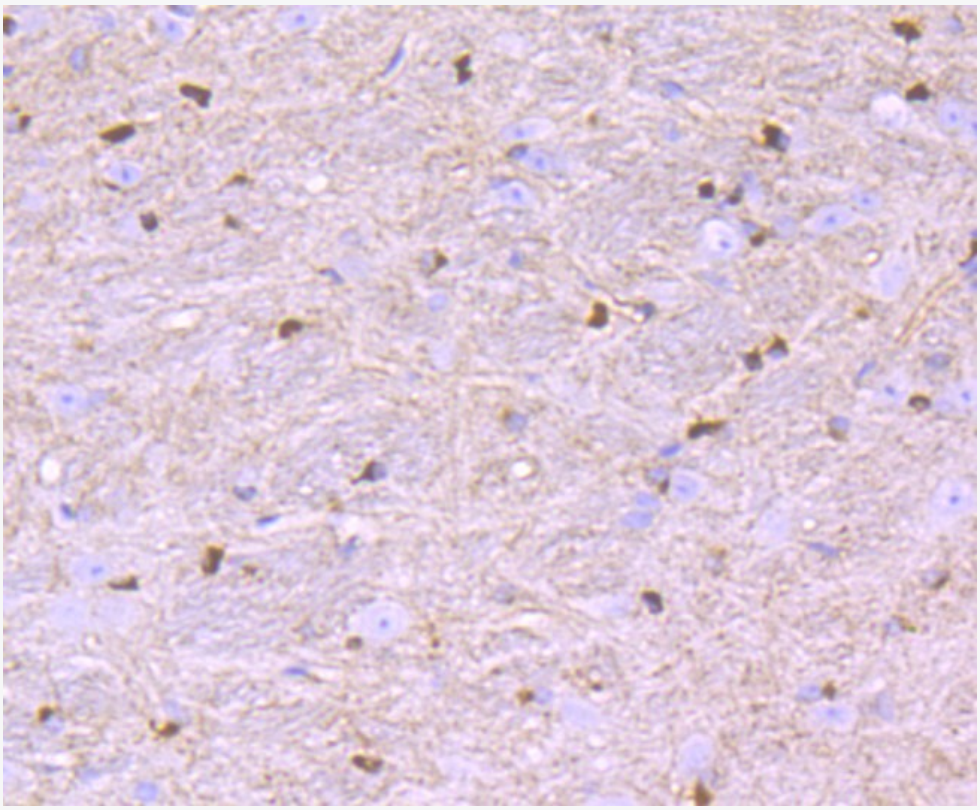
Proteins were transferred to a PVDF membrane and blocked with 5% BSA in

PBS for 1 hour at room temperature. The primary antibody (SLM-54643R, 1/500) was used in 5% BSA at room temperature for 2 hours. Goat Anti-Rabbit IgG - HRP Secondary Antibody (HA1001) at 1:200,000 dilution was used for 1 hour at room temperature.



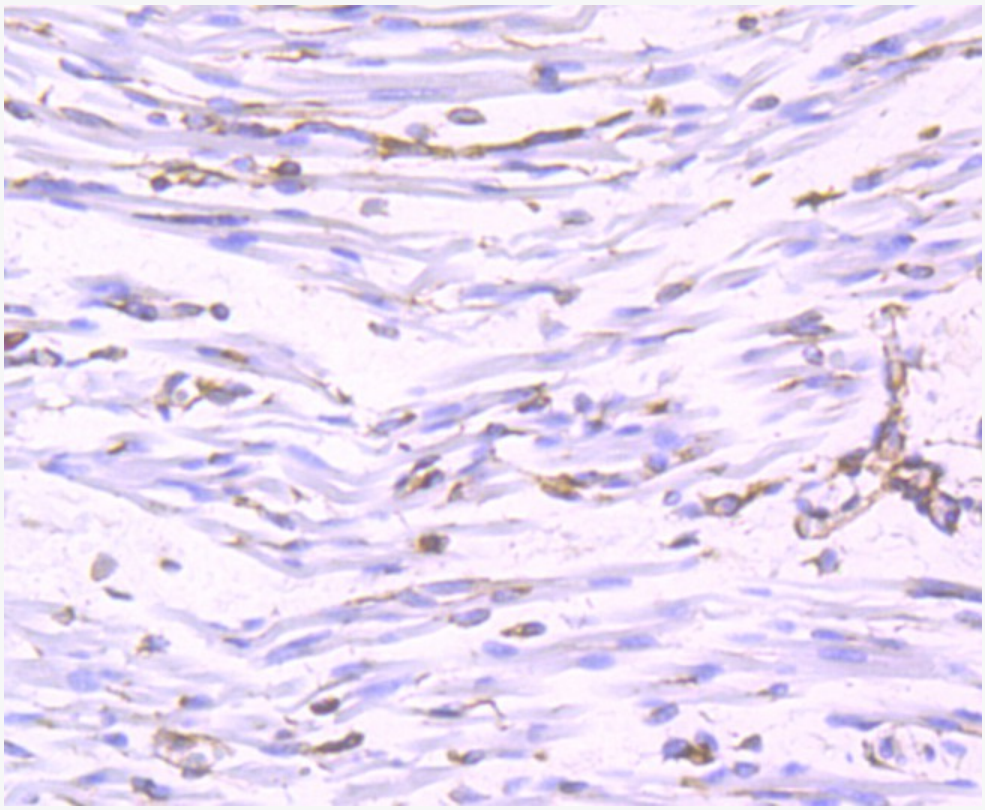
Western blot analysis of Nogo on Hela cell lysates. Proteins were transferred to a PVDF membrane and blocked with 5% BSA in PBS for 1 hour at room temperature. The primary antibody (SLM-54643R, 1/500) was used in 5% BSA at room temperature for 2 hours. Goat Anti-Rabbit IgG - HRP Secondary Antibody (HA1001) at 1:200,000 dilution was used for 1 hour at

room temperature.



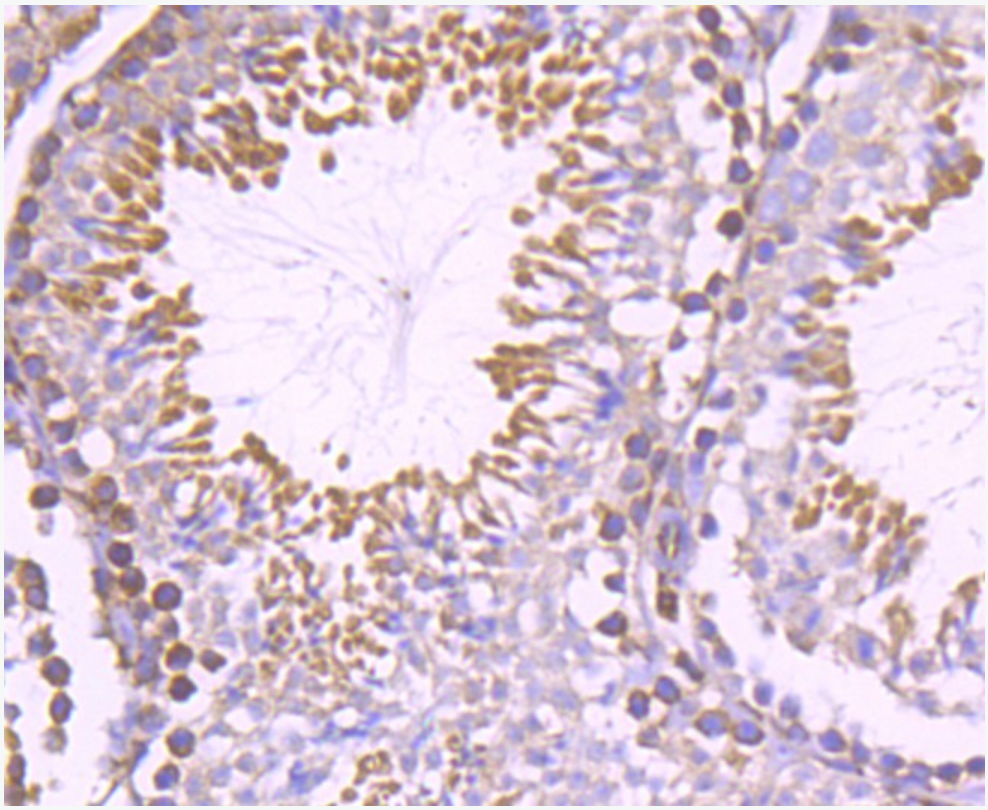
Immunohistochemical analysis of paraffin-embedded mouse brain tissue using anti-Nogo antibody. The section was pre-treated using heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 20 minutes.The tissues were blocked in 1% BSA for 30 minutes at room temperature, washed with ddH2O and PBS, and then probed with the primary antibody (SLM-54643R, 1/50) for 30 minutes at room temperature. The detection was performed using an HRP conjugated compact polymer system. DAB was used as the chromogen. Tissues were counterstained with hematoxylin and mounted with

DPX.



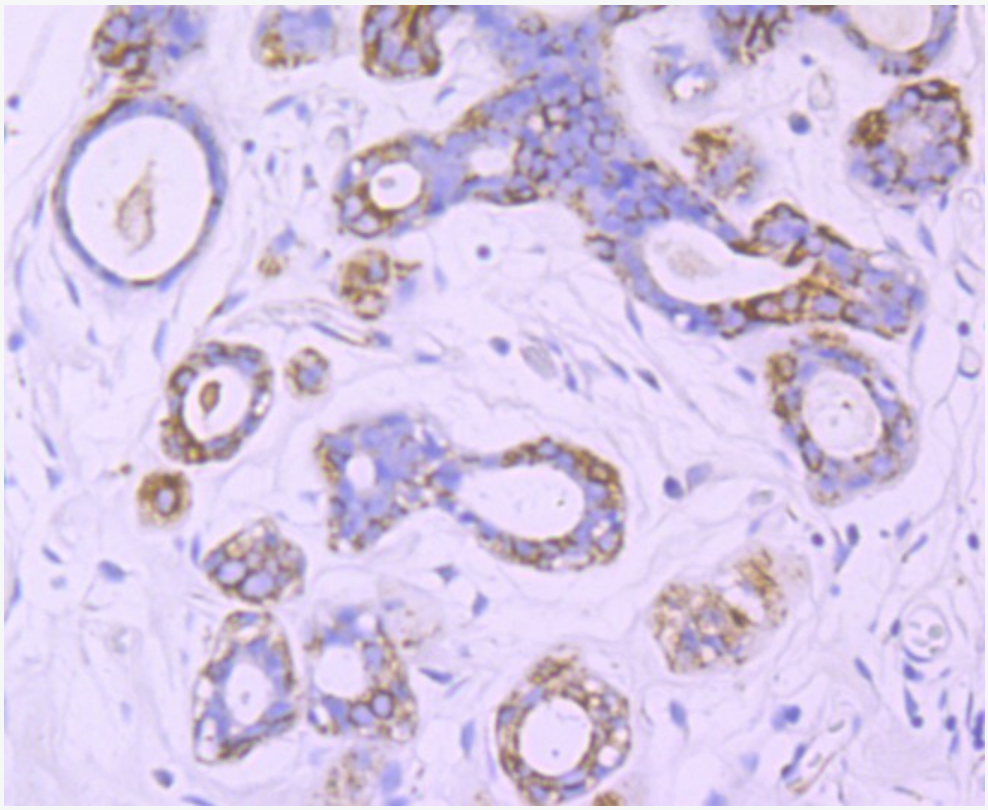
Immunohistochemical analysis of paraffin-embedded human fetal skeletal muscle tissue using anti-Nogo antibody. The section was pre-treated using heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 20 minutes.The tissues were blocked in 1% BSA for 30 minutes at room temperature, washed with ddH2O and PBS, and then probed with the primary antibody (SLM-54643R, 1/50) for 30 minutes at room temperature. The detection was performed using an HRP conjugated compact polymer system. DAB was used as the chromogen. Tissues were counterstained with

hematoxylin and mounted with DPX.



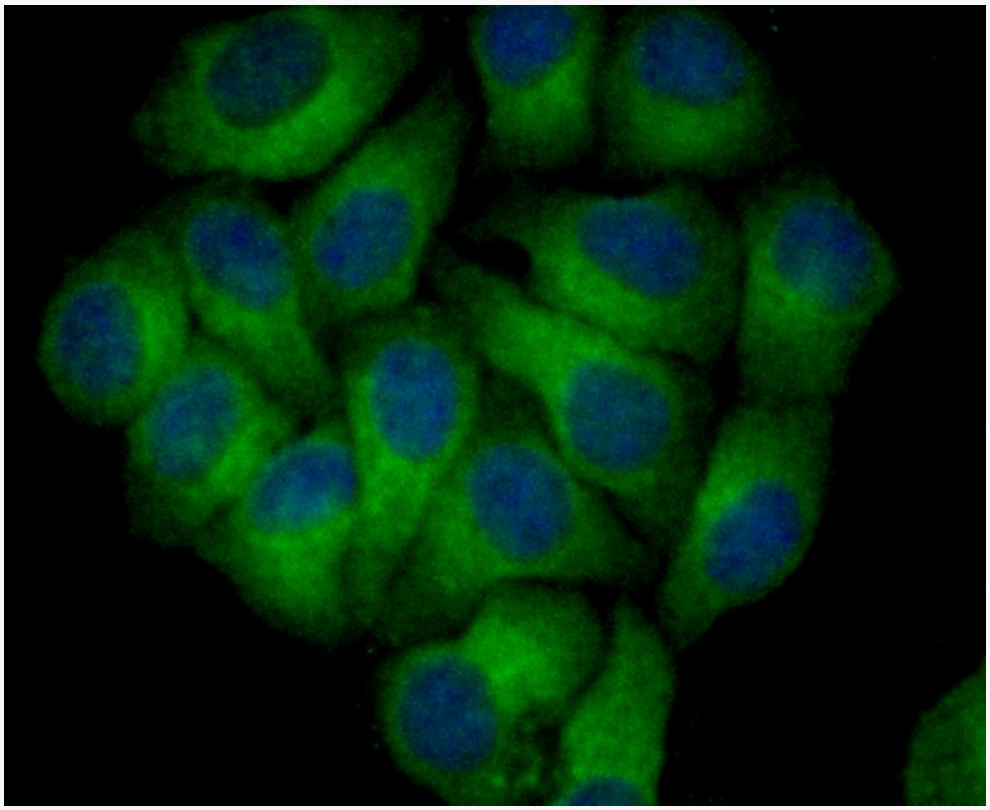
Immunohistochemical analysis of paraffin-embedded mouse testis tissue using anti-Nogo antibody. The section was pre-treated using heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 20 minutes.The tissues were blocked in 1% BSA for 30 minutes at room temperature, washed with ddH2O and PBS, and then probed with the primary antibody (SLM-54643R, 1/50) for 30 minutes at room temperature. The detection was performed using an HRP conjugated compact polymer system. DAB was used as the chromogen. Tissues were counterstained with hematoxylin and mounted with

DPX.



Immunohistochemical analysis of paraffin-embedded human breast tissue using anti-Nogo antibody. The section was pre-treated using heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 20 minutes.The tissues were blocked in 1% BSA for 30 minutes at room temperature, washed with ddH2O and PBS, and then probed with the primary antibody (SLM-54643R, 1/50) for 30 minutes at room temperature. The detection was performed using an HRP conjugated compact polymer system. DAB was used as the chromogen. Tissues were counterstained with hematoxylin and mounted with

DPX.



ICC staining of Nogo in HepG2 cells (green). Formalin fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 10 minutes at room temperature and blocked with 10% negative goat serum for 15 minutes at room temperature. Cells were probed with the primary antibody (SLM-54643R, 1/50) for 1 hour at room temperature, washed with PBS. Alexa Fluor®488 conjugate-Goat anti-Rabbit IgG was used as the secondary antibody at 1/1,000 dilution. The nuclear counter stain is DAPI (blue).

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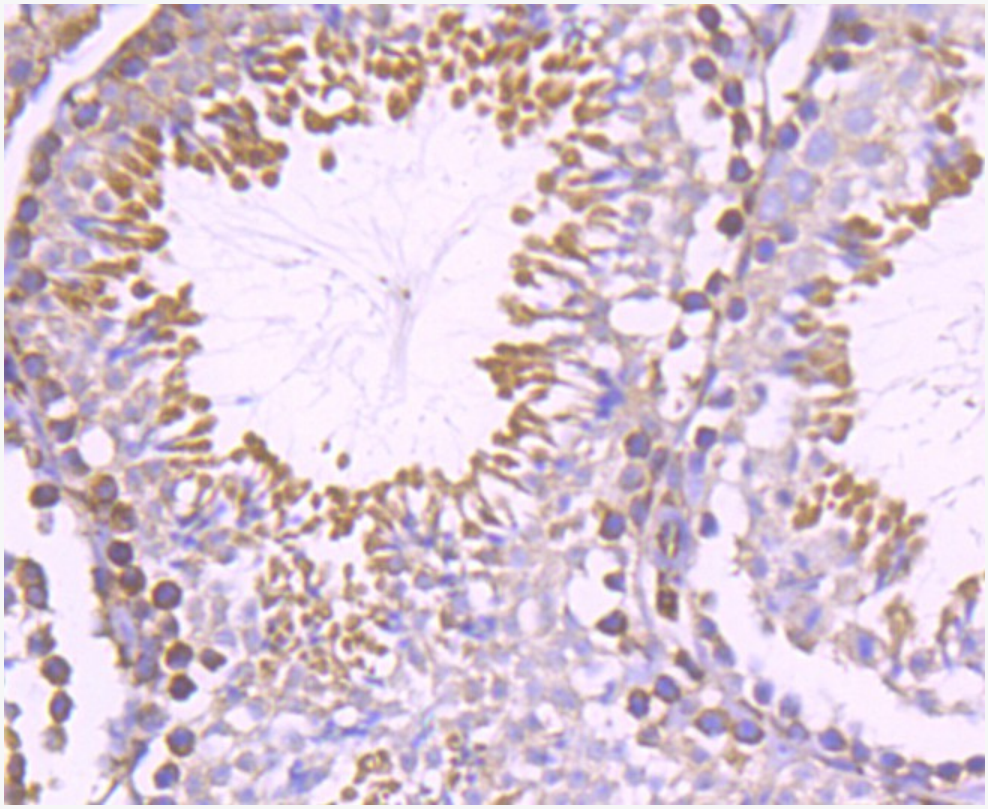

ICC staining of Nogo in A549 cells (green). Formalin fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 10 minutes at room temperature and blocked with 10% negative goat serum for 15 minutes at room temperature. Cells were probed with the primary antibody (SLM-54643R, 1/50) for 1 hour at room temperature, washed with PBS. Alexa Fluor®488 conjugate-Goat anti-Rabbit IgG was used as the secondary antibody at 1/1,000 dilution. The nuclear counter stain is DAPI (blue).

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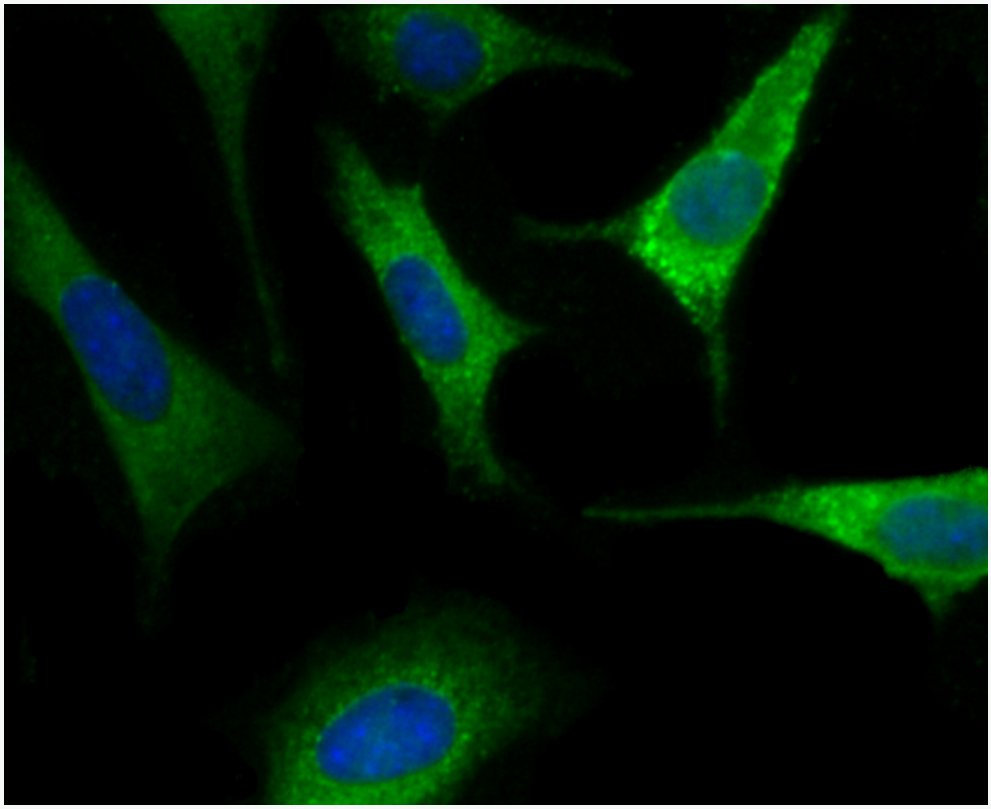

ICC staining of Nogo in SH-SY5Y cells (green). Formalin fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 10 minutes at room temperature and blocked with 10% negative goat serum for 15 minutes at room temperature. Cells were probed with the primary antibody (SLM-54643R, 1/50) for 1 hour at room temperature, washed with PBS. Alexa Fluor®488 conjugate-Goat anti-Rabbit IgG was used as the secondary antibody at 1/1,000 dilution. The nuclear counter stain is DAPI (blue).

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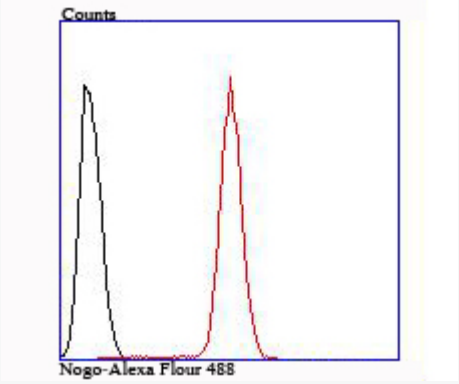

Flow cytometric analysis of Nogo was done on Hela cells. The cells were fixed, permeabilized and stained with the primary antibody (SLM-54643R, 1/50) (red). After incubation of the primary antibody at room temperature for an hour, the cells were stained with a Alexa Fluor®488 conjugate-Goat anti-Rabbit IgG Secondary antibody at 1/1,000 dilution for 30 minutes.Unlabelled sample was used as a control (cells without incubation with primary antibody; black).