

NGRN Antibody (C-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP10635b

Specification

NGRN Antibody (C-term) - Product Information

Application	FC, IHC-P, WB,E
Primary Accession	O9NPE2
Other Accession	O2HJC0 , NP_001028260.2
Reactivity	Human
Predicted	Bovine
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	32408
Antigen Region	261-290

NGRN Antibody (C-term) - Additional Information

Gene ID 51335

Other Names

Neugrin, Mesenchymal stem cell protein DSC92, Neurite outgrowth-associated protein, Spinal cord-derived protein FI58G, NGRN, FI58G

Target/Specificity

This NGRN antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 261-290 amino acids from the C-terminal region of human NGRN.

Dilution

FC~~1:10~50

IHC-P~~1:50~100

WB~~1:1000

E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

NGRN Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

NGRN Antibody (C-term) - Protein Information

Name NGRN {ECO:0000303|PubMed:27667664, ECO:0000312|HGNC:HGNC:18077}

Function Plays an essential role in mitochondrial ribosome biogenesis. As a component of a functional protein-RNA module, consisting of RCC1L, NGRN, RPUSD3, RPUSD4, TRUB2, FASTKD2 and 16S mitochondrial ribosomal RNA (16S mt-rRNA), controls 16S mt-rRNA abundance and is required for intra-mitochondrial translation of core subunits of the oxidative phosphorylation system.

Cellular Location

Nucleus. Secreted. Mitochondrion membrane

Tissue Location

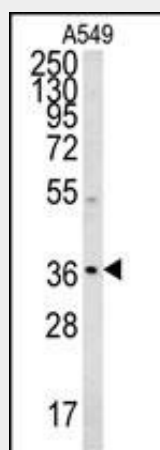
Expressed at high levels in heart, brain and skeletal muscle. In brain, mainly expressed in neurons rather than glial cells.

NGRN Antibody (C-term) - Protocols

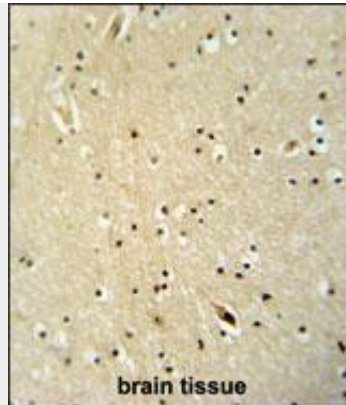
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

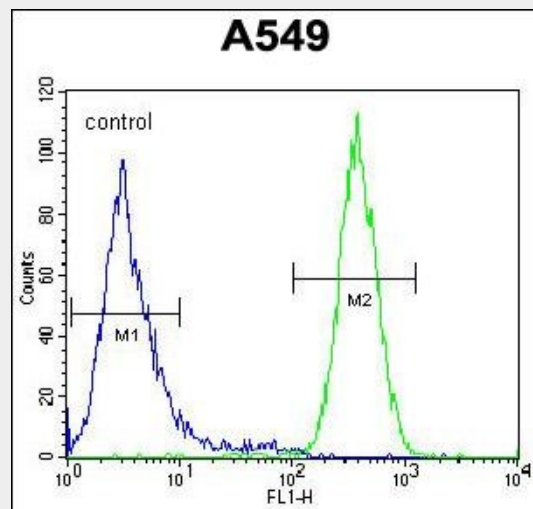
NGRN Antibody (C-term) - Images



NGRN Antibody (C-term) (Cat. #AP10635b) western blot analysis in A549 cell line lysates (35ug/lane). This demonstrates the OR52D1 antibody detected the NGRN protein (arrow).



NGRN antibody (C-term) (Cat. #AP10635b) immunohistochemistry analysis in formalin fixed and paraffin embedded human brain tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the NGRN antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.



NGRN Antibody (C-term) (Cat. #AP10635b) flow cytometric analysis of A549 cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

NGRN Antibody (C-term) - Background

NGRN may be involved in neuronal differentiation.