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NGRN Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP10635b

Specification

NGRN Antibody (C-term) - Product Information

Application	**WB, IHC-P, FC,E**
Primary Accession	Q9NPE2
Other Accession	Q2HJC0, 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
WB~~1:1000
IHC-P~~1:50~100
FC~~1:10~50

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

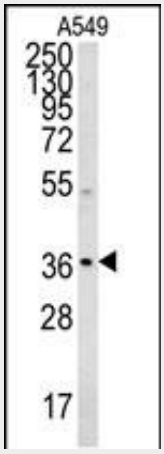
Tissue Location
Expressed at high levels in heart, brain and skeletal muscle. In brain, mainly expressed in neurons rather than glial cells.

NGRN Antibody (C-term) - Protocols

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

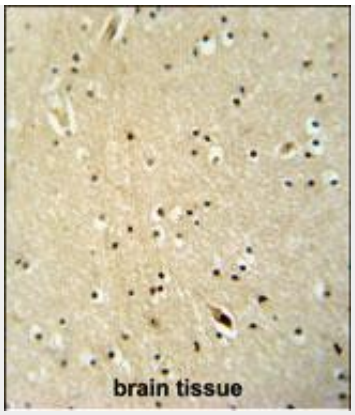
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

NGRN Antibody (C-term) - Images

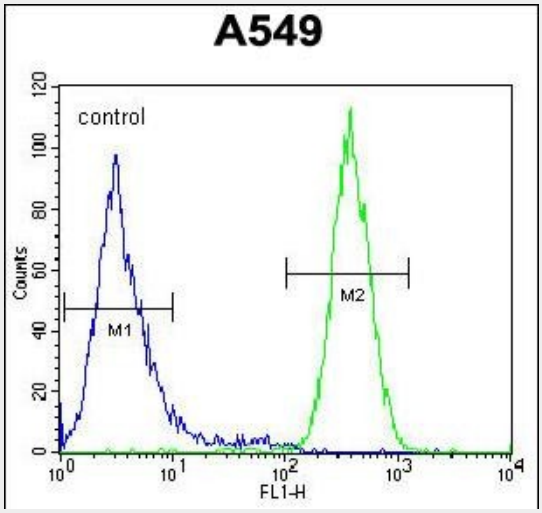


NGRN Antibody (C-term) (Cat. #AP10635b) western blot analysis in A549 cell line lysates (35ug/lane).This demonstrates the OR52D1 antibody detected the NGRN protein (arrow).

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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.