

GNL3L Antibody (N-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP11045A

Specification

GNL3L Antibody (N-term) - Product Information

Application	WB, FC,E
Primary Accession	O9NVN8
Other Accession	O6PGG6 , NP_001171748.1 , NP_061940.1
Reactivity	Human
Predicted	Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	65573
Antigen Region	102-130

GNL3L Antibody (N-term) - Additional Information

Gene ID 54552

Other Names

Guanine nucleotide-binding protein-like 3-like protein, GNL3L

Target/Specificity

This GNL3L antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 102-130 amino acids from the N-terminal region of human GNL3L.

Dilution

WB~~1:1000

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

GNL3L Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

GNL3L Antibody (N-term) - Protein Information

Name GNL3L

Function Stabilizes TERF1 telomeric association by preventing TERF1 recruitment by PML. Stabilizes TERF1 protein by preventing its ubiquitination and hence proteasomal degradation. Does so by interfering with TERF1-binding to FBXO4 E3 ubiquitin-protein ligase. Required for cell proliferation. By stabilizing TRF1 protein during mitosis, promotes metaphase-to-anaphase transition. Stabilizes MDM2 protein by preventing its ubiquitination, and hence proteasomal degradation. By acting on MDM2, may affect TP53 activity. Required for normal processing of ribosomal pre-rRNA. Binds GTP.

Cellular Location

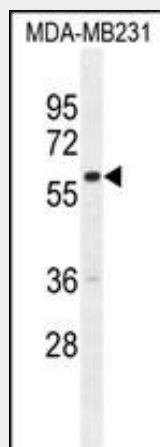
Nucleus, nucleolus.

GNL3L Antibody (N-term) - Protocols

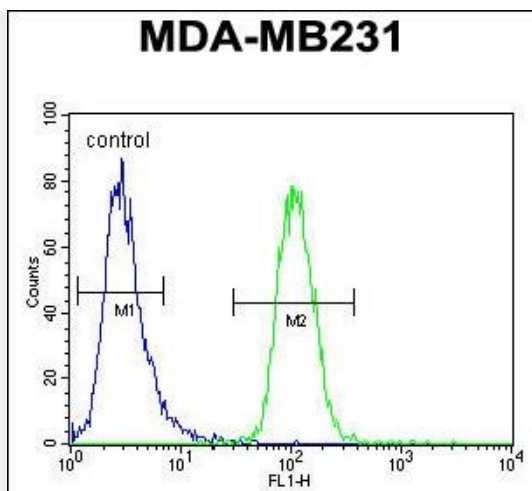
Provided below are standard protocols that you may find useful for product applications.

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

GNL3L Antibody (N-term) - Images



GNL3L Antibody (N-term) (Cat. #AP11045a) western blot analysis in MDA-MB231 cell line lysates (35ug/lane). This demonstrates the GNL3L antibody detected the GNL3L protein (arrow).



GNL3L Antibody (N-term) (Cat. #AP11045a) flow cytometric analysis of MDA-MB231 cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

GNL3L Antibody (N-term) - Background

The protein encoded by this gene appears to be a nucleolar GTPase that is essential for ribosomal pre-rRNA processing and cell proliferation. Two transcript variants encoding the same protein have been found for this gene.

GNL3L Antibody (N-term) - References

Rao, M.R., et al. J. Mol. Biol. 364(4):637-654(2006)
Du, X., et al. Mol. Biol. Cell 17(1):460-474(2006)