

GNL3L Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP50825**Specification**

GNL3L Antibody - Product Information

Application	WB
Primary Accession	Q9NVN8
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	66 KDa
Antigen Region	88-113

GNL3L Antibody - Additional Information**Gene ID** 54552**Other Names**

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

Dilution

WB~~ 1:1000

FormatRabbit IgG in phosphate buffered saline (without Mg²⁺ and Ca²⁺), pH 7.4, 150mM NaCl, 0.09% (W/V) sodium azide and 50% glycerol.**Storage Conditions**

-20°C

GNL3L Antibody - 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

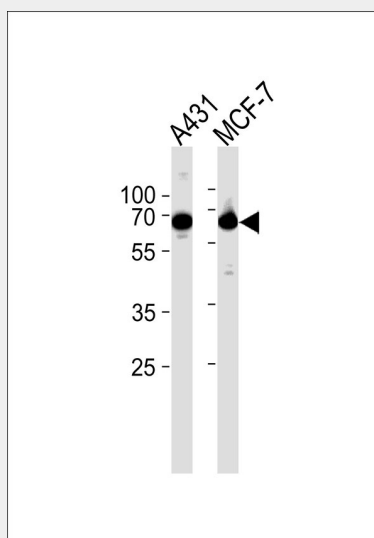
Nucleus, nucleolus.

GNL3L Antibody - 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 - Images



Western blot analysis of lysates from A431, MCF-7 cell line (from left to right), using GNL3L Antibody, was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L (HRP) at 1:5000 dilution was used as the secondary antibody. Lysates at 35 µg per lane.

GNL3L Antibody - Background

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.

GNL3L Antibody - References

- Ota T., et al. Nat. Genet. 36:40-45(2004).
Ross M.T., et al. Nature 434:325-337(2005).
Du X., et al. Mol. Biol. Cell 17:460-474(2006).
Rao M.R.K.S., et al. J. Mol. Biol. 364:637-654(2006).
Zhu Q., et al. J. Cell Biol. 185:827-839(2009).