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Nucleostemin (GNL3) Antibody (C-term)
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP1405b

Specification

Nucleostemin (GNL3) Antibody (C-term) - Product Information

Application	**WB, IHC-P,E**
Primary Accession	Q9BVP2
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**61993**
Antigen Region	**458-487**

Nucleostemin (GNL3) Antibody (C-term) - Additional Information

Gene ID 26354

Other Names
Guanine nucleotide-binding protein-like 3, E2-induced gene 3 protein, Novel nucleolar protein 47, NNP47, Nucleolar GTP-binding protein 3, Nucleostemin, GNL3, E2IG3, NS

Target/Specificity
This Nucleostemin (GNL3) antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 458-487 amino acids from the C-terminal region of human Nucleostemin (GNL3).

Dilution
WB~~1:1000
IHC-P~~1:10~50

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

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
Nucleostemin (GNL3) Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Nucleostemin (GNL3) Antibody (C-term) - Protein Information

Name GNL3

Synonyms E2IG3, NS

Function May be required to maintain the proliferative capacity of stem cells. Stabilizes MDM2 by preventing its ubiquitination, and hence proteasomal degradation (By similarity).

Cellular Location
Nucleus {ECO:0000250|UniProtKB:Q811S9}. Nucleus, nucleolus. Note=Shuttles between the nucleus and nucleolus. {ECO:0000250|UniProtKB:Q811S9}

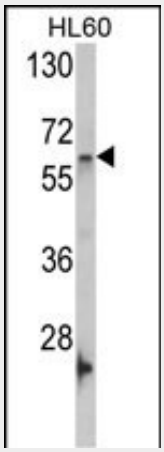
Tissue Location
Increased levels in lung tissue in cancer patients.

Nucleostemin (GNL3) Antibody (C-term) - Protocols

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

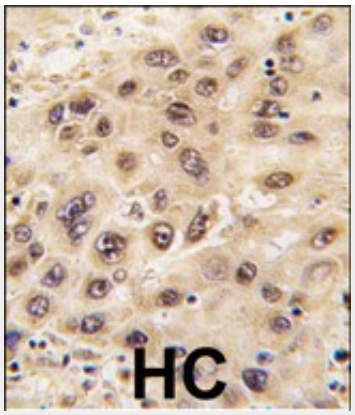
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Nucleostemin (GNL3) Antibody (C-term) - Images



Western blot analysis of GNL3 Antibody (C-term) (Cat. #AP1405b) in HL60 cell line lysates (35ug/lane). GNL3 (arrow) was detected using the purified Pab.

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Formalin-fixed and paraffin-embedded human hepatocarcinoma tissue reacted with GNL3 antibody (C-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.

Nucleostemin (GNL3) Antibody (C-term) - Background

GNL3 is found in the nucleoli of embryonic stem cells, adult CNS stem cells, primitive cells in the bone marrow and cancer cells. It is not in the differentiated cells of most adult tissues. It has been suggested to play a role in controlling the cell-cycle progression in stem cells and cancer cells, and may be required to maintain the proliferative capacity of stem cells.

Nucleostemin (GNL3) Antibody (C-term) - References

Ma,H.,Mol. Biol. Cell 18 (7), 2630-2635 (2007)