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Nucleostemin (GNL3) Antibody (C-term) Blocking peptide

Synthetic peptide
Catalog # BP1405b

Specification

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

Primary Accession Q9BVP2

Nucleostemin (GNL3) Antibody (C-term) Blocking peptide - 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
The synthetic peptide sequence used to generate the antibody AP1405b was selected from the C-term region of human GNL3. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

Nucleostemin (GNL3) Antibody (C-term) Blocking peptide - 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.

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

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

- Blocking Peptides

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

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

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