

# Nucleostemin/GLN3 Antibody (CT)

**ALTERNATE NAMES:** GNL3; E2IG3; NS; Guanine nucleotide-binding protein-like 3; E2-induced gene 3 protein; Novel nucleolar protein 47; Nucleolar GTP-binding protein 3; Nucleostemin

**CATALOG #:** 6782-100

**AMOUNT:** 100 µl

**HOST/ISOTYPE:** Rabbit

**IMMUNOGEN:** 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).

**MOLECULAR WEIGHT:** ~61.993 kDa

**FORM:** Liquid

**FORMULATION:** In PBS with 0.09% (W/V) sodium azide.

**PURIFICATION:** This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

**SPECIES REACTIVITY:** Human.

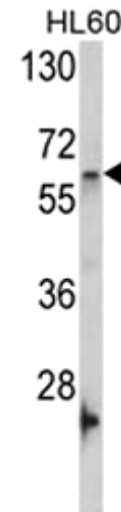
**STORAGE CONDITIONS:** Maintain refrigerated at 2-8°C for up to 6 months. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

**DESCRIPTION:** Nucleostemin, also designated Nucleolar GTP-binding protein 3, is a member of the MMR1/HSR1 GTP-binding protein family. It is expressed in the nucleoli of adult CNS stem cells, primitive bone marrow cells, and embryonic stem cells and in several cancer cell lines. Nucleostemin is often used as a stem cell marker. Overexpression or depletion of the protein can reduce cell proliferation in CNS stem cells. Nucleostemin shuttles between the nucleus and the nucleolus and may be important in maintaining the proliferative capacity of stem cells. Nucleostemin is important in the growth regulation of liver cancer, gastric cancer and several other cancer types. The gene encoding Nucleostemin is localized to chromosome 3p21.1.

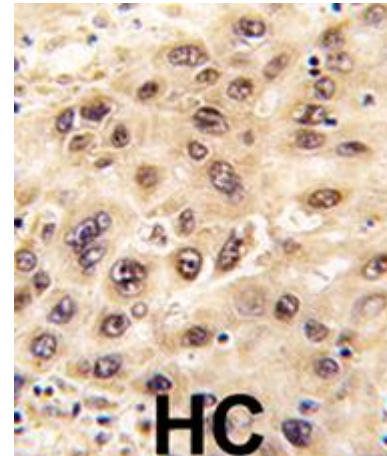
**APPLICATION:** WB: 1:1000, IHC: 1:10 – 1:50.

**Note:** This information is only intended as a guide. The optimal dilutions must be determined by the user.

**FOR RESEARCH USE ONLY! Not to be used on humans.**



Western blot analysis of GNL3 Antibody in HL60 cell line lysates (35 µg/lane). GNL3 (arrow) was detected using the purified pAb.



Formalin-fixed and paraffin-embedded human hepatocarcinoma tissue reacted with GNL3 antibody, which was peroxidase-conjugated to the secondary antibody, followed by DAB staining.

## RELATED PRODUCTS:

- Antibodies and Supporting Tools