

**Goat Anti-GNL3 Antibody**  
**Goat Anti-GNL3 Antibody (AF4145a)**  
**Catalog # AF4145a**

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**Specification**

**Goat Anti-GNL3 Antibody - Product Information**

Application	<b>WB</b>
Primary Accession	<a href="#">O9BVP2</a>
Other Accession	<a href="#">NP_055181.3</a> , <a href="#">NP_996561.1</a> , <a href="#">26354</a>
Reactivity	<b>Human</b>
Predicted	<b>Human</b>
Concentration	<b>100ug/200ul</b>
Calculated MW	<b>61993</b>

**Goat Anti-GNL3 Antibody - 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

**Immunogen**

Peptide with sequence C-EKNNAQSIRAIKGPH, from the internal region of the protein sequence according to [NP\\_055181.3](#); [NP\\_996561.1](#).

**Storage**

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.

**Precautions**

Goat Anti-GNL3 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

**Goat Anti-GNL3 Antibody - 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.

### Goat Anti-GNL3 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](#)

### Goat Anti-GNL3 Antibody - Images



AF4145a (2 µg/ml) staining of HeLa (A) HepG2 (B) and K562 (C) nuclear lysates (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

### Goat Anti-GNL3 Antibody - Background

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

### Goat Anti-GNL3 Antibody - References

Charpentier A.H., et al. *Cancer Res.* 60:5977-5983(2000).  
Han C., et al. *Int. J. Mol. Med.* 16:205-213(2005).  
Ota T., et al. *Nat. Genet.* 36:40-45(2004).  
Muzny D.M., et al. *Nature* 440:1194-1198(2006).  
Andersen J.S., et al. *Curr. Biol.* 12:1-11(2002).