10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

GNL3 Antibody

Purified Mouse Monoclonal Antibody
Catalog # AO2269a

Product Information

Application	WB, FC, E
Primary Accession	Q9BVP2
Reactivity	Human, Mouse
Host	Mouse
Clonality	Monoclonal
Clone Names	2C8D5
Isotype	IgG1
Calculated MW	61993
Description	The protein encoded by this gene may interact with p53 and may be involved in tumorigenesis. The encoded protein also appears to be important for stem cell proliferation. This protein is found in both the nucleus and nucleolus. Three transcript variants encoding two different isoforms have been found for this gene.
Immunogen	Purified recombinant fragment of human GNL3 (AA: 1-226) expressed in E. Coli.
Formulation	Purified antibody in PBS with 0.05% sodium azide

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
Dilution	WB~~1/500 - 1/2000 FC~~1/200 - 1/400 E~~1/10000
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	GNL3 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

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.

References

1.Oncogene. 2011 Apr 7;30(14):1716-26. 2.J Cell Biol. 2009 Jun 1;185(5):827-39.

Images

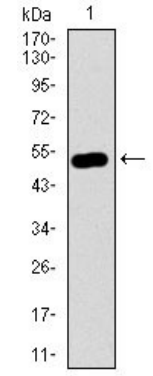


Figure 1: Western blot analysis using GNL3 mAb against human GNL3 recombinant protein. (Expected MW is 51.9 kDa)

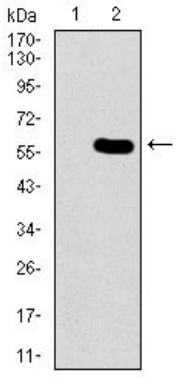


Figure 2: Western blot analysis using GNL3 mAb against HEK293 (1) and GNL3 (AA: 1-226)-hIgGFc transfected HEK293 (2) cell lysate.

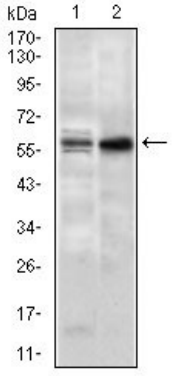
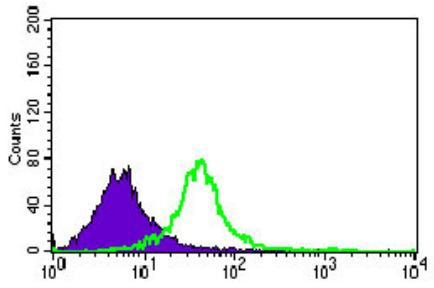


Figure 3: Western blot analysis using GNL3 mouse mAb against NIH3T3 (1) and PC-3 (2) cell lysate.

Figure 4: Flow cytometric analysis of Jurkat cells using GNL3 mouse mAb (green) and negative control (purple).



Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.