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GNL3 Antibody (N-term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AW5415

Product Information

Application	IF, WB
Primary Accession	Q9BVP2
Other Accession	Q8CI11
Reactivity	Human, Mouse
Predicted	Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	61993
Isotype	Rabbit IgG
Antigen Source	HUMAN

Additional Information

Gene ID	26354
Antigen Region	38-72
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	IF~~1:25 WB~~1:1000
Target/Specificity	This GNL3 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 38-72 amino acids from the N-terminal region of human GNL3.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
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	GNL3 Antibody (N-term) 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.

Background

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

References

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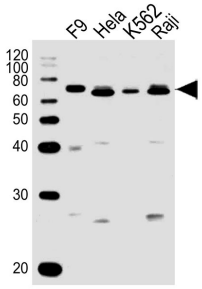
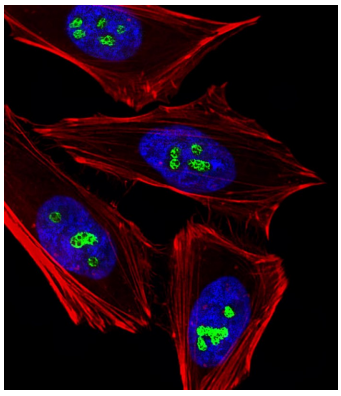
Han C.,et al.Int. J. Mol. Med. 16:205-213(2005).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Muzny D.M.,et al.Nature 440:1194-1198(2006).
Andersen J.S.,et al.Curr. Biol. 12:1-11(2002).

Images



All lanes : Anti-GNL3 Antibody (N-term) at 1:1000 dilution Lane 1: F9 whole cell lysates Lane 2: Hela whole cell lysates Lane 3: K562 whole cell lysates Lane 4: Raji whole cell lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L),Peroxidase conjugated at 1/10000 dilution Predicted band size : 62 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



Fluorescent image of Hela cells stained with GNL3 Antibody (N-term)(Cat#AW5415). AW5415 was diluted at 1:25 dilution. An Alexa Fluor 488-conjugated goat anti-rabbit lgG at 1:400 dilution was used as the secondary antibody (green). Cytoplasmic actin was counterstained with Alexa Fluor® 555 conjugated with Phalloidin (red). DAPI was used to stain the cell nuclear (blue).