



GNL3 Polyclonal Antibody

Catalog No	YP-Ab-05631
Isotype	IgG
Reactivity	Human;Rat;Mouse
Applications	WB;ELISA
Gene Name	GNL3 E2IG3 NS
Immunogen	Synthesized peptide derived from part region of human protein
Specificity	GNL3 Polyclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000 ELISA 1:5000-20000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	C77032;E2 induced gene 3 protein;E2IG3;E2-induced gene 3 protein;Guanine nucleotide-binding protein-like 3;GNL3;GNL3 E2IG3 NS;Guanine nucleotide-binding protein-like 3 (E2-induced gene 3 protein) (Novel nucleolar protein 47) (NNP47) (Nucleolar GTP-binding protein 3) (Nucleostemin)
Observed Band	62 kDa
Calculated Molecular Weight	62 kDa
Cell Pathway	Nucleus . Nucleus, nucleolus . Shuttles between the nucleus and nucleolus. .
Tissue Specificity	Increased levels in lung tissue in cancer patients.
Function	domain:In contrast to other GTP-binding proteins, this family is characterized by a circular permutation of the GTPase motifs described by a G4-G1-G3 pattern., domain:The basic domain (B) allows nucleolar localization in the absence of GTP. The intermediate domain (I) inhibits nucleolar localization by the B domain and is required for exit from the nucleolus. Exit from the nucleolus to the nucleoplasm requires both the I and the acidic (A) domains, and may be triggered by GTP hydrolysis.,function:May be required to maintain the proliferative capacity of stem cells and may play an important role in tumorigenesis.,similarity:Belongs to the MMR1/HSR1 GTP-binding protein family.,subcellular location:Shuttles between the nucleus and nucleolus.,



subunit:May interact with p53/TP53 via its basic domain.,tissue
specificity:Increased levels in lung tissue in cancer patients.,

Background

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. [provided by RefSeq, Nov 2010],

matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images