

Rabbit anti-Human GNL3L Polyclonal Antibody | anti-GNL3L antibody

GNL3L Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA324779	Rabbit	Human	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

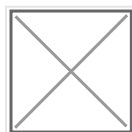
PRODUCT SYNONYMS

GNL3L; Polyclonal Antibody; GNL3L Antibody; FLJ10613; Guanine nucleotide binding protein-like 3 (nucleolar)-like; novel GTPase; OTTHUMP00000023374; anti-GNL3L antibody

PRODUCT SPECIFICATIONS

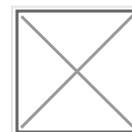
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Specificity	GNL3L antibody detects endogenous levels of total GNL3L
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	582
Applicable Applications for anti-GNL3L antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Nucleus; Nucleolus.
Tissue Specificity	Up-regulated during mitosis and down-regulated in the G1 phase.
Predicted Cross Reactivity	Pig, Bovine, Horse, Rabbit, Dog
Similarity	Pig (91%), Bovine (100%), Horse (91%), Rabbit (82%), Dog (82%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)

AAA324779 staining 293 cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody, diluted at 1/600, was used as secondary antibody.



WB (Western Blot)

Western blot analysis of extracts from HeLa cells using GNL3L antibody., The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-GNL3L antibody	Function: Stabilizes TERF1 telomeric association by preventing TERF1 recruitment by PML. Stabilizes TERF1 protein by preventing its ubiquitination and hence proteasomal degradation. Does so by interfering with TERF1-binding to FBXO4 E3 ubiquitin-protein ligase. Required for cell proliferation. By stabilizing TRF1 protein during mitosis, promotes metaphase-to-anaphase transition. Stabilizes MDM2 protein by preventing its ubiquitination, and hence proteasomal degradation. By acting on MDM2, may affect TP53 activity. Required for normal processing of ribosomal pre-rRNA. Binds GTP. Subunit Structure: Interacts with MDM2; this interaction, which occurs in the nucleoplasm, stabilizes MDM2. Indirectly interacts with TP53, via MDM2-binding. Interacts with TERF1; this interaction probably occurs in the nucleoplasm and is increased during mitosis, when the nucleolus is disassembled. This binding may promote TERF1 homodimerization. Interacts with TERT. Similarity: 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. Belongs to the TRAFAC class YlqF/YawG GTPase family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	296317324
NCBI GeneID	54552
NCBI Accession #	NP_001171748.1
NCBI GenBank Nucleotide #	NM_001184819.1
UniProt Accession #	Q9NVN8
Molecular Weight	Observed: 66 kD Predicted: 66 kDa
NCBI Official Full Name	guanine nucleotide-binding protein-like 3-like protein
NCBI Official Synonym Full Names	G protein nucleolar 3 like
NCBI Official Symbol	GNL3L
NCBI Official Synonym Symbols	GNL3B
NCBI Protein Information	guanine nucleotide-binding protein-like 3-like protein
UniProt Protein Name	Guanine nucleotide-binding protein-like 3-like protein
UniProt Gene Name	GNL3L

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/gnl3l-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/324779>