Anti-NOLC1 Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

Catalog # R014196

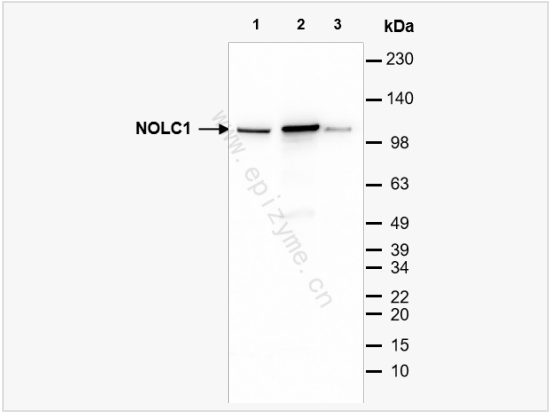
Product Information

Application	WB, IHC-P/IF (Tissue-P), IF (Cell)/ICC, ELISA
Reactivity	Human
Dilution	WB 1:1,000~1:2,000; IHC-P 1:100~1:200; IF 1:100~1:200
Host	Rabbit
Clonality	Monoclonal
Clone No.	21M67M04
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from human NOLC1
Format	Affinity purified monoclonal antibody supplied in PBS with 0.01% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-NOLC1 Rabbit mAb [21M67M04] is for research use only and not for use in diagnostic or therapeutic procedures.

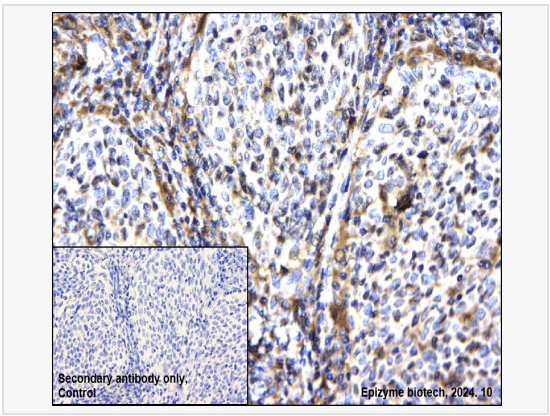
Protein Information

Synonyms	140 kDa nucleolar phosphoprotein, HCV NS5A trans regulated protein 13, HCV NS5A transactivated protein 13, HCV NS5A-transactivated protein 13, Hepatitis C virus NS5A transactivated protein 13, Hepatitis C virus NS5A-transactivated protein 13, KIAA0035, NOLC 1, NOLC1, NOLC1_HUMAN, NOPP 130, NOPP 140, NOPP130, Nopp140, NS5ATP13, Nucleolar 130 kDa protein, Nucleolar and coiled body phosphoprotein 1, Nucleolar and coiled body phosphprotein 1, Nucleolar and coiled-body phosphoprotein 1, Nucleolar phosphoprotein p130, Nucleolar protein p130, P130.
Calculated MW	Calculated MW: 74 kDa; Observed MW: 110 kDa
Uniprot ID	Q14978
Gene ID	9221
Background	Related to nucleologenesis, may play a role in the maintenance of the fundamental structure of the fibrillar center and dense fibrillar component in the nucleolus. It has intrinsic GTPase and ATPase activities. May play an important role in transcription catalyzed by RNA polymerase I.
Cellular Location	Nucleus > nucleolus. Cytoplasm. Shuttles between the nucleolus and the cytoplasm. At telophase it begins to assemble into granular-like pre-nucleolar bodies which are subsequently relocated to nucleoli at the early G1-phase.

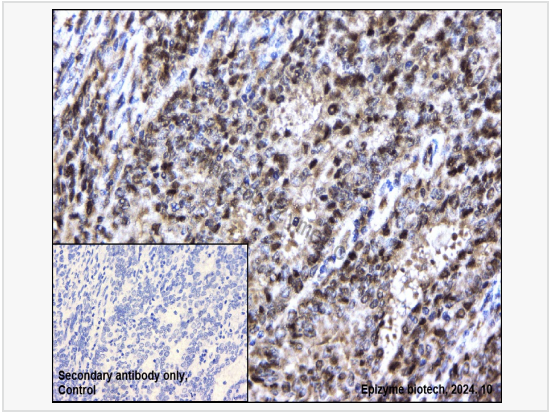
Validation Images



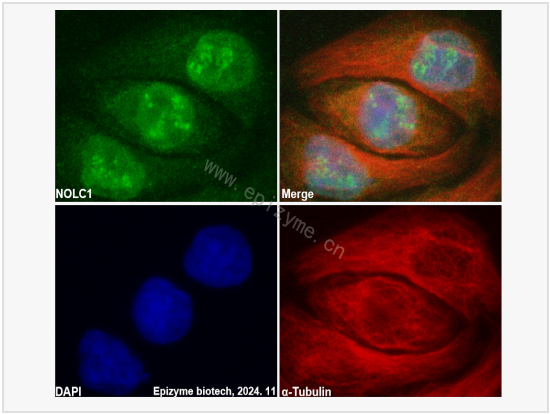
Western Blot - Anti-NOLC1 Rabbit mAb [21M67M04]
All lanes: R014196 at 1:1,000 dilution
Lane 1: HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysates
Lane 2: A431 (Human epidermoid teratoma cell line) whole cell lysates
Lane 3: T24 (Human bladder cancer epithelial cell) whole cell lysates
Lysates/proteins at 10 µg per lane.
Secondary antibody: Goat Anti-Rabbit IgG(H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution
Predicted band size: 74 kDa
Observed band size: 110 kDa
Developed using the ECL technique (Cat. No. SQ201).



Immunohistochemistry - Anti-NOLC1 Rabbit mAb [21M67M04]
Sample: Paraformaldehyde-fixed, paraffin embedded human cervical cancer tissue
Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.
Primary antibody: R014196 at 1:200 dilution
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution
DAB was used as the chromogen.
Counter stained with hematoxylin.
Positive/negative staining were presented.
Only the secondary antibody was used as the negative control.



Immunohistochemistry - Anti-NOLC1 Rabbit mAb [21M67M04]
Sample: Paraformaldehyde-fixed, paraffin embedded human endometrial carcinoma tissue
Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.
Primary antibody: R014196 at 1:200 dilution
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution
DAB was used as the chromogen.
Counter stained with hematoxylin.
Positive/negative staining were presented.
Only the secondary antibody was used as the negative control.



Immunofluorescence - Anti-NOLC1 Rabbit mAb [21M67M04]
Sample: HeLa cells
The cells were fixed with 4% paraformaldehyde (10 min), permeabilized with 0.5% Triton X-100 for 10 minutes and then blocked with 5% BSA in 0.1% PBS-Tween for 0.5 hours.
Primary antibodies: R014196 at 1:100 dilution and α-tubulin Mouse Monoclonal Antibody (Cat. No. LF209) at 1:100 dilution
Secondary antibodies: Goat anti-Rabbit (488) at 1:1,000 dilution (shown in green) and Goat anti-Mouse (555) at 1:1,000 dilution (shown in red)
Nuclei were stained with DAPI (shown in blue).