

Anti-NOLC1 Rabbit Monoclonal Antibody

Catalog # ABO16495

Product Information

Application	WB, IHC, IF, ICC
Primary Accession	Q14978
Host	Rabbit
Isotype	IgG
Reactivity	Human
Clonality	Monoclonal
Format	Liquid
Description	Anti-NOLC1 Rabbit Monoclonal Antibody . Tested in WB, IHC, ICC/IF applications. This antibody reacts with Human.

Additional Information

Gene ID	9221
Other Names	Nucleolar and coiled-body phosphoprotein 1, 140 kDa nucleolar phosphoprotein, Nopp140, Hepatitis C virus NS5A-transactivated protein 13, HCV NS5A-transactivated protein 13, Nucleolar 130 kDa protein, Nucleolar phosphoprotein p130, NOLC1 (HGNC:15608)
Calculated MW	73603
Application Details	WB 1:500-1:2000 IHC 1:50-1:200 ICC/IF 1:50-1:200
Source	Eukaryota
Contents	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.
Clone Names	Clone: 30N31
Immunogen	A synthesized peptide derived from human NOLC1
Purification	Affinity-chromatography
Storage	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.

Protein Information

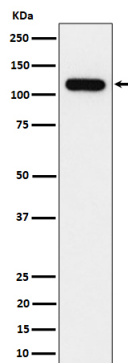
Name	NOLC1 (HGNC:15608)
Function	Nucleolar protein that acts as a regulator of RNA polymerase I by connecting

RNA polymerase I with enzymes responsible for ribosomal processing and modification (PubMed:[10567578](#), PubMed:[26399832](#)). Required for neural crest specification: following monoubiquitination by the BCR(KBTBD8) complex, associates with TCOF1 and acts as a platform to connect RNA polymerase I with enzymes responsible for ribosomal processing and modification, leading to remodel the translational program of differentiating cells in favor of neural crest specification (PubMed:[26399832](#)). Involved in nucleologenesis, possibly by playing a role in the maintenance of the fundamental structure of the fibrillar center and dense fibrillar component in the nucleolus (PubMed:[9016786](#)). It has intrinsic GTPase and ATPase activities (PubMed:[9016786](#)).

Cellular Location

Nucleus, nucleolus. Cytoplasm. Note=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.

Images



Western blot analysis of NOLC1 expression in HeLa cell lysate.

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