

Anti-NOLC1 Rabbit Monoclonal Antibody

Catalog # ABO16495

Specification

Anti-NOLC1 Rabbit Monoclonal Antibody - Product Information

Application WB, IHC, IF, ICC **Primary Accession** <u>Q14978</u> Rabbit Host Isotype laG Reactivity Human Clonality Monoclonal Format Liauid Description Anti-NOLC1 Rabbit Monoclonal Antibody . Tested in WB, IHC, ICC/IF applications. This antibody reacts with Human.

Anti-NOLC1 Rabbit Monoclonal Antibody - 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 110 kDa KDa

Application Details WB 1:500-1:2000
IHC 1:50-1:200
ICC/IF 1:50-1:200

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.

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.

Anti-NOLC1 Rabbit Monoclonal Antibody - 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.

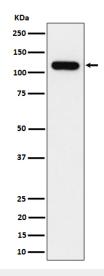
Anti-NOLC1 Rabbit Monoclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- <u>Western Blot</u>
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- <u>Cell Culture</u>

Anti-NOLC1 Rabbit Monoclonal Antibody - Images





Western blot analysis of NOLC1 expression in HeLa cell lysate.