10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.622.0609

NOLC1 Antibody (N-term) Blocking Peptide

Synthetic peptide
Catalog # BP16987a

Specification

NOLC1 Antibody (N-term) Blocking Peptide - Product Information

Primary Accession Q14978

NOLC1 Antibody (N-term) Blocking Peptide - 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, KIAA0035, NS5ATP13

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

NOLC1 Antibody (N-term) Blocking Peptide - 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:<a href="http://www.uniprot.org/c

NOLC1 Antibody (N-term) Blocking Peptide - 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.

NOLC1 Antibody (N-term) Blocking Peptide - References

Thiry, M., et al. Histochem. Cell Biol. 132(2):129-140(2009)Hwang, Y.C., et al. Am. J. Pathol. 175(1):342-354(2009)Renvoise, B., et al. Hum. Mol. Genet. 18(7):1181-1189(2009)Lee, W.K., et al. Biochem. Biophys. Res. Commun. 376(2):439-444(2008)Tsai, Y.T., et al. J. Biomed. Sci. 15(4):471-486(2008)

itations/10567578" target="_blank">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.

NOLC1 Antibody (N-term) Blocking Peptide - Protocols

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

- Blocking Peptides