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Anti-NOLC1 Antibody
Rabbit polyclonal antibody to NOLC1
Catalog # AP59773

Specification

Anti-NOLC1 Antibody - Product Information

Application	**WB**
Primary Accession	Q14978
Reactivity	**Human, Mouse, Rat, Bovine**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**73603**

Anti-NOLC1 Antibody - Additional Information

Gene ID 9221

Other Names
KIAA0035; NS5ATP13; 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

Target/Specificity
Recognizes endogenous levels of NOLC1 protein.

Dilution
WB~~WB (1/500 - 1/1000)

Format
Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.

Storage
Store at -20 °C.Stable for 12 months from date of receipt

Anti-NOLC1 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:<a

href="http://www.uniprot.org/citations/26399832" target="_blank">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).

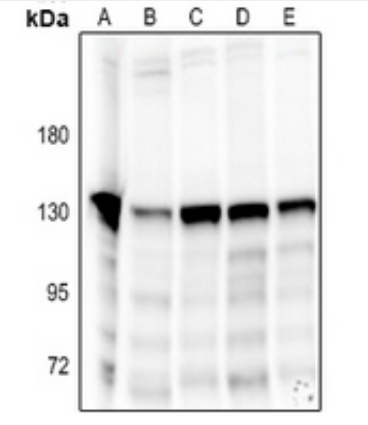
Cellular Location
Nucleus, nucleolus. Cytoplasm. Note=Shuttles between the nucleolus and the cytoplasm. At telophase it begins to assemble into granular-like pre-nucleolar bodies which are subsequently relocated to nucleoli at the early G1-phase.

Anti-NOLC1 Antibody - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-NOLC1 Antibody - Images



Western blot analysis of NOLC1 expression in CT26 (A), C6 (B), A549 (C), Panc1 (D), SGC7901 (E) whole cell lysates.

Anti-NOLC1 Antibody - Background

KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human NOLC1. The exact sequence is proprietary.