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NOLC1 Antibody

Rabbit mAb
Catalog # AP93035

Product Information

Application	WB, IHC, IF, ICC, IHF
Primary Accession	Q14978
Reactivity	Human
Clonality	Monoclonal
Other Names	NOLC1; NOPP130; Nopp140; NS5ATP13; Nucleolar phosphoprotein p130; P130;
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	73603

Additional Information

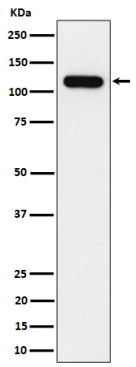
Dilution	WB 1:500~1:2000 IHC 1:50~1:200 ICC/IF 1:50~1:200
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human NOLC1
Description	Related to nucleologenesis, may play a role in the maintenance of the fundamental structure of the fibrillar center and dense fibrillar component in the nucleolus. It has intrinsic GTPase and ATPase activities. May play an important role in transcription catalyzed by RNA polymerase I.
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

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.