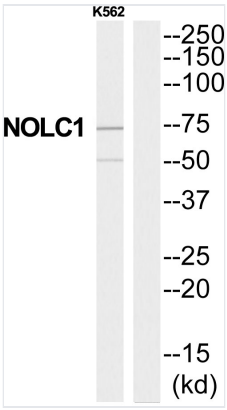
NOLC1 Antibody

PRODUCT OVERVIEW

Product Name	NOLC1, Antibody
Full Product Name	NOLC1 Antibody
Product Gene Name	anti-NOLC1 antibody
Product Synonym Names	140 kDa nucleolar phosphoprotein; HCV NS5A trans-regulated protein 13; HCV NS5A-transactivated protein 13; Hepatitis C virus NS5A-transactivated protein 13; KIAA0035; NOLC1; NOPP130; Nopp140; NS5ATP13; Nucleolar 130 kDa protein; Nucleolar and coiled-body phosphoprotein 1; nucleolar and coiled-body phosphprotein 1; Nucleolar phosphoprotein p130; nucleolar protein p130; P130
Species Reactivity	Human, Mouse, Rat
Form/Format	In phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purity/Purification	Affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Specificity	NOLC1 antibody detects endogenous levels of total NOLC1 protein.
Preparation and Storage	Store at-20 degree C for 1 year.
Molecular Weight	73,745 Da
OMIM	602394
3D Structure	ModBase 3D Structure for Q14978
Immunogen	The antiserum was produced against synthesized peptide derived from C-terminal of human NOLC1.
Product Categories/Family for anti-NOLC1 antibody	Autophagy antibody; Cancer; Cardiovascular; Cell Biology; Epigenetics & Nuclear Signaling; Developmental Biologys; Immunology; Drug Discovery Products; Metabolism; Neuroscience; Signal Transduction; Stem Cells
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-NOLC1 antibody	Western Blot (WB), ELISA (EIA)
Application Notes for anti-NOLC1 antibody	WB: 1:500~1:1000 ELISA: 1:40000
Related Product Information for anti-NOLC1 antibody	MBS858349 is an antibody targeting NOLC1. Also known as NOLC1 Antibody. Reactive in Human, Mouse, Rat.
Product References and Citations for anti-NOLC1 antibody	Pai C.-Y., J. Cell Sci. 108:1911-1920(1995). Ying Z.L., Submitted (NOV-2004) to the EMBL/GenBank/DDBJ databases. Deloukas P., Nature 429:375-381(2004).
Other Notes	Small volumes of anti-NOLC1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Testing Data of anti-NOLC1 antibody

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for NOLC1. It may not necessarily be applicable to this product.

NCBI GI #	548923888
NCBI GeneID	9221
NCBI Accession #	NP_001271317.1
UniProt Primary Accession #	Q14978
UniProt Secondary Accession #	Q15030; Q5VV70; Q9BUV3
UniProt Related Accession #	Q14978
GenBank Nucleotide #	NM_001284388.1
NCBI Official Full Name	nucleolar and coiled-body phosphoprotein 1 isoform 1
NCBI Official Synonym Full Names	nucleolar and coiled-body phosphoprotein 1
NCBI Official Symbol	NOLC1
NCBI Official Synonym Symbols	P130; NOPP130; NOPP140; NS5ATP13
UniProt Protein Name	Nucleolar and coiled-body phosphoprotein 1
UniProt Synonym Protein Names	140 kDa nucleolar phosphoprotein
Protein Family	Nucleolar and coiled-body phosphoprotein
UniProt Gene Name	NOLC1
UniProt Synonym Gene Names	HCV NS5A-transactivated protein 13
NCBI Protein Information	nucleolar and coiled-body phosphoprotein 1
UniProt Comments for NOLC1	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).
Research Articles on NOLC1	**1.** In this study, the disordered feature of Nopp140 and the effect of CK2alpha on the structure of Nopp140 were examined using single-molecule fluorescence resonance energy transfer (smFRET) and electron paramagnetic resonance (EPR).

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