NOLC1 Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

Product Name	NOLC1, Monoclonal Antibody
Full Product Name	NOLC1 (Nucleolar and Coiled-body Phosphoprotein 1, KIAA0035, NOPP130, NOPP140, NS5ATP13, P130) (MaxLight 750)
Product Gene Name	anti-NOLC1 antibody
Product Synonym Names	Nucleolar and Coiled-body Phosphoprotein 1; KIAA0035; NOPP130; NOPP140; NS5ATP13; P130
Clonality	Monoclonal
Isotype	IgG3,k
Clone Number	3F8
Host	Mouse
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight750.
Purity/Purification	Purified
Specificity	Recognizes NOLC1.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amo immediate use. Further dilutions can be made in assay buffer. Caution: MaxLight750 conjugates are sensitive to light. For maximum recovery of produc original vial prior to removing the cap.
Molecular Weight	73kDa
OMIM	602394
3D Structure	ModBase 3D Structure for Q14978
Immunogen	NOLC1 (NP_004732, 590aa-699aa) partial recombinant protein with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	EAAKEAETPQAKKIKLQTPNTFPKRKKGEKRASSPFRRVREEEIEVDSRVADNSFDAKRGAAGDWGERANQVLKFTKGKSFRHEKTKKKRGSYRGGSIS
Conjugate	MaxLight750
Product Categories/Family for anti-NOLC1 antibody	Antibodies; Nuclear Proteins
Applications Tested/Suitable for anti-NOLC1 antibody	Western Blot (WB)
Application Notes for anti-NOLC1 antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-NOLC1 antibody	MBS6239654 is an antibody targeting NOLC1. Also known as NOLC1 (Nucleolar and Coiled-body Phosphoprotein 1, KIAA0035, NOPP130, NOPP140 P130) (MaxLight 750). Host: Mouse. Mouse monoclonal antibody raised against a partial recombinant NOLC1.

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 neces 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 apply.

ADDITIONAL DETAILS

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

NCBI GI #	148596949
NCBI GeneID	9221
NCBI Accession #	NP_004732
UniProt Primary Accession #	Q14978
UniProt Related Accession #	Q14978
GenBank Nucleotide #	NM_004741
NCBI Official Full Name	nucleolar and coiled-body phosphoprotein 1 isoform 2
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; Nopp140; Hepatitis C virus NS5A-transactivated protein 13; HCV NS5A-transactivated protein 13; Nucleolar 130 kDa protein; Nucleolar phosphoprotein p130
Protein Family	Nucleolar and coiled-body phosphoprotein
UniProt Gene Name	NOLC1
UniProt Synonym Gene Names	KIAA0035; NS5ATP13; Nopp140
UniProt Entry Name	NOLC1_HUMAN
NCBI Protein Information	nucleolar and coiled-body phosphoprotein 1
UniProt Comments for NOLC1	NOLC1: 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. 3 isoforms of the human protein are produced by alternative splicing. Protein type: RNA-binding; Nucleolus; Transcription, coactivator/corepressor Chromosomal Location of Human Ortholog: 10q24.32 Cellular Component: nucleoplasm; Cajal body; cytoplasm; nucleolus Molecular Function: protein binding; GTP binding; ATP binding Biological Process: mitosis; cell cycle; rRNA processing; nucleolus organization and biogenesis
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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