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NHP2L1 Antibody (monoclonal) (M02)

Mouse monoclonal antibody raised against a partial recombinant NHP2L1.
Catalog # AT3049a

Product Information

Application	E
Primary Accession	P55769
Other Accession	BC005358
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG1 Kappa
Clone Names	5C5
Calculated MW	14174

Additional Information

Gene ID	4809
Other Names	NHP2-like protein 1, High mobility group-like nuclear protein 2 homolog 1, OTK27, SNU13 homolog, hSNU13, U4/U6U5 tri-snRNP 155 kDa protein, NHP2-like protein 1, N-terminally processed, NHP2L1
Target/Specificity	NHP2L1 (AAH05358, 1 a.a. ~ 100 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	E~~N/A
Format	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Precautions	NHP2L1 Antibody (monoclonal) (M02) is for research use only and not for use in diagnostic or therapeutic procedures.

Background

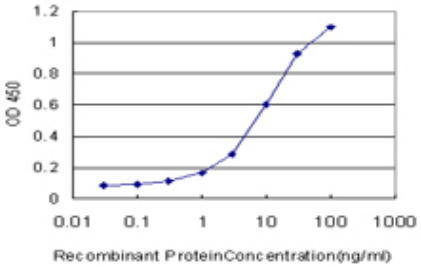
Originally named because of its sequence similarity to the Saccharomyces cerevisiae NHP2 (non-histone protein 2), this protein appears to be a highly conserved nuclear protein that is a component of the [U4/U6.U5] tri-snRNP. It binds to the 5' stem-loop of U4 snRNA. Two transcript variants encoding the same protein have been found for this gene.

References

Evidence that the AAA+ proteins TIP48 and TIP49 bridge interactions between 15.5K and the related NOP56

and NOP58 proteins during box C/D snoRNP biogenesis. McKeegan KS, et al. Mol Cell Biol, 2009 Sep. PMID 19620283.Functional implications for a prototypical K-turn binding protein from structural and dynamical studies of 15.5K. Soss SE, et al. Biochemistry, 2007 Dec 25. PMID 18044964.Systematic analysis of the protein interaction network for the human transcription machinery reveals the identity of the 7SK capping enzyme. Jeronimo C, et al. Mol Cell, 2007 Jul 20. PMID 17643375.A dynamic scaffold of pre-snoRNP factors facilitates human box C/D snoRNP assembly. McKeegan KS, et al. Mol Cell Biol, 2007 Oct. PMID 17636026.Binding of the human Prp31 Nop domain to a composite RNA-protein platform in U4 snRNP. Liu S, et al. Science, 2007 Apr 6. PMID 17412961.

Images



Detection limit for recombinant GST tagged NHP2L1 is approximately 0.1ng/ml as a capture antibody.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.