

NHP2L1 Antibody (monoclonal) (M02)**Mouse monoclonal antibody raised against a partial recombinant NHP2L1.****Catalog # AT3049a****Specification**

NHP2L1 Antibody (monoclonal) (M02) - Product Information

Application	E
Primary Accession	P55769
Other Accession	BC005358
Reactivity	Human
Host	mouse
Clonality	Monoclonal
Isotype	IgG1 Kappa
Calculated MW	14174

NHP2L1 Antibody (monoclonal) (M02) - 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.

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.

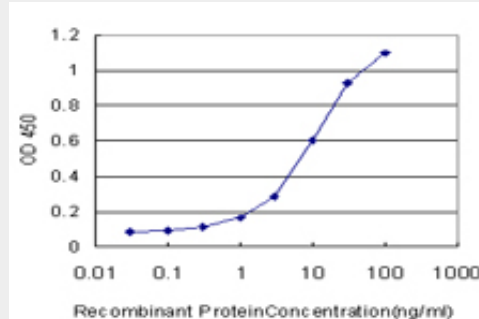
NHP2L1 Antibody (monoclonal) (M02) - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)

- [Flow Cytometry](#)
- [Cell Culture](#)

NHP2L1 Antibody (monoclonal) (M02) - Images



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

NHP2L1 Antibody (monoclonal) (M02) - 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.

NHP2L1 Antibody (monoclonal) (M02) - 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.