

PIH1D1 Antibody(Center) Blocking peptide
Synthetic peptide
Catalog # BP19637c

Specification

PIH1D1 Antibody(Center) Blocking peptide - Product Information

Primary Accession [O9NWS0](#)

PIH1D1 Antibody(Center) Blocking peptide - Additional Information

Gene ID 55011

Other Names

PIH1 domain-containing protein 1, Nucleolar protein 17 homolog, PIH1D1, NOP17

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

PIH1D1 Antibody(Center) Blocking peptide - Protein Information

Name PIH1D1

Synonyms NOP17

Function

Involved in the assembly of C/D box small nucleolar ribonucleoprotein (snoRNP) particles (PubMed: [17636026](http://www.uniprot.org/citations/17636026)). Recruits the SWI/SNF complex to the core promoter of rRNA genes and enhances pre- rRNA transcription (PubMed: [22368283](http://www.uniprot.org/citations/22368283), PubMed: [24036451](http://www.uniprot.org/citations/24036451)). Mediates interaction of TELO2 with the R2TP complex which is necessary for the stability of MTOR and SMG1 (PubMed: [20864032](http://www.uniprot.org/citations/20864032)). Positively regulates the assembly and activity of the mTORC1 complex (PubMed: [24036451](http://www.uniprot.org/citations/24036451)).

Cellular Location

Nucleus {ECO:0000250|UniProtKB:Q9CQJ2}.

Tissue Location

Expressed at low levels in normal mammary epithelial cells (at protein level) (PubMed:24036451).

Highest expression in lung, leukocyte and placenta. Expressed at lower levels in brain, prostate, colon, heart, small intestine, liver, ovary, pancreas, skeletal muscle, spleen, testis and thymus (PubMed:21078300)

PIH1D1 Antibody(Center) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

PIH1D1 Antibody(Center) Blocking peptide - Images

PIH1D1 Antibody(Center) Blocking peptide - Background

PIH1D1 belongs to the PIH1 family.

PIH1D1 Antibody(Center) Blocking peptide - References

Cloutier, P., et al. Methods 48(4):381-386(2009)McKeegan, K.S., et al. Mol. Cell. Biol. 27(19):6782-6793(2007)Lamesch, P., et al. Genomics 89(3):307-315(2007)Gonzales, F.A., et al. J. Mol. Biol. 346(2):437-455(2005)