



Rabbit Anti-PIH1D1 antibody

SL4273R

Product Name:	PIH1D1
Chinese Name:	核仁同源蛋白17抗体
Alias:	NOP17; Nucleolar protein 17 homolog; PIH1 domain containing 1; PIH1 domain containing protein 1; PIH1 domain-containing protein 1; PIH1D1; PIHD1 HUMAN.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Pig,Cow,Horse,
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	32kDa
Cellular localization:	The nucleus
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human PIH1D1/NOP17:91-190/290
Isotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	PIH1D1 is a phylogenetically conserved protein essential for efficient processing of pre-rRNA through its association with a class of small nucleolar RNAs (snoRNAs) during ribosomal biogenesis. SnoRNAs are associated in ribonucleoprotein particles localized to the nucleolus. Nop17 is a 290 amino acid unstable protein that is stabilized through an interaction with HSP 90α/β. Nop17 interacts with a core box C/D snoRNP protein Nop58, indicating a function of Nop17 in mediating the nucleolar retention or

proper assembly of the box C/D snoRNP. A mutation in NOP17 gene may lead to a temperature-sensitive phenotype along with delocalization of key Nop proteins that are essential for snoRNP assembly.

Similarity:

Belongs to the PIH1 family.

SWISS:

Q9NWS0

Gene ID:

55011

Database links:

[Entrez Gene: 55011](#) Human

[Omim: 611480](#) Human

[SwissProt: Q9NWS0](#) Human

[Unigene: 5245](#) Human

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.