10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

PIH1D1 Antibody(Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP19637c

Specification

PIH1D1 Antibody(Center) - Product Information

Application	**WB,E**
Primary Accession	Q9NWS0
Other Accession	NP_060386.1
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**32363**
Antigen Region	**163-192**

PIH1D1 Antibody(Center) - Additional Information

Gene ID 55011

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

Target/Specificity
This PIH1D1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 163-192 amino acids from the Central region of human PIH1D1.

Dilution
WB~~1:1000
E~~Use at an assay dependent concentration.

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
PIH1D1 Antibody(Center) is for research use only and not for use in diagnostic or therapeutic procedures.

PIH1D1 Antibody(Center) - Protein Information

Name PIH1D1

Synonyms NOP17

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

Cellular Location
Nucleus {ECO:0000250|UniProtKB:Q9CQJ2}.

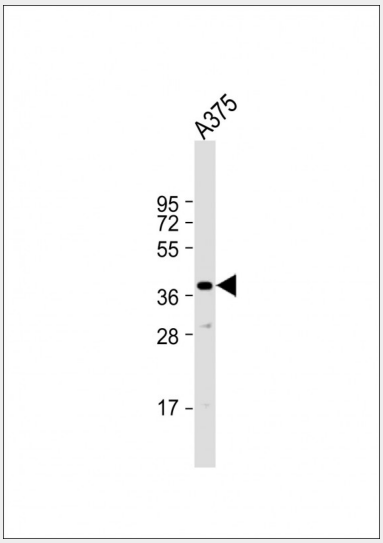
Tissue Location
Expressed at low levels in normal mammary epithelial cells (at protein level) (PubMed:24036451). Highest expression in lung, leukocyte and placenta. Expressed at lower levels in brain, prostate, colon, heart, small intestine, liver, ovary, pancreas, skeletal muscle, spleen, testis and thymus (PubMed:21078300)

PIH1D1 Antibody(Center) - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

PIH1D1 Antibody(Center) - Images



Anti-PIH1D1 Antibody (Center) at 1:1000 dilution + A375 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 32 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

PIH1D1 Antibody(Center) - Background

PIH1D1 belongs to the PIH1 family.

PIH1D1 Antibody(Center) - 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)