

PNLDC1 Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP54951

Specification

PNLDC1 Polyclonal Antibody - Product Information

Application	IHC-P, IHC-F, IF, ICC, E
Primary Accession	Q8NA58
Reactivity	Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	58 KDa
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human PNLDC1
Epitope Specificity	221-320/520
Purity	
affinity purified by Protein A	
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Membrane.
SIMILARITY	Belongs to the CAF1 family.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

PNLDC1 Polyclonal Antibody - Additional Information

Gene ID 154197

Other Names

Poly(A)-specific ribonuclease PNLDC1, 3.1.13.4, PARN-like domain-containing protein 1 {ECO:0000312|HGNC:HGNC:21185}, Poly(A)-specific ribonuclease domain-containing protein 1 {ECO:0000312|HGNC:HGNC:21185}, HsPNLDC1, PNLDC1 (http://www.genenames.org/cgi-bin/gene_symbol_report?hgnc_id=21185)

Dilution

IHC-P~~N/A
IHC-F~~N/A
IF~~1:50~200
ICC~~N/A
E~~N/A

Storage

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. 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.

PNLDC1 Polyclonal Antibody - Protein Information

Name PNLDC1 ([HGNC:21185](#))

Function

3'-exoribonuclease that has a preference for poly(A) tails of mRNAs, thereby efficiently degrading poly(A) tails (PubMed:[27515512](http://www.uniprot.org/citations/27515512)). Exonucleolytic degradation of the poly(A) tail is often the first step in the decay of eukaryotic mRNAs and is also used to silence certain maternal mRNAs translationally during oocyte maturation and early embryonic development (PubMed:[27515512](http://www.uniprot.org/citations/27515512)). May act as a regulator of multipotency in embryonic stem cells (By similarity). Is a critical factor for proper spermatogenesis, involved in pre-piRNAs processing to generate mature piRNAs (PubMed:[34347949](http://www.uniprot.org/citations/34347949)).

Cellular Location

Endoplasmic reticulum membrane; Single-pass membrane protein. Note=Localizes mainly in the endoplasmic reticulum (PubMed:27515512).

PNLDC1 Polyclonal Antibody - 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](#)

PNLDC1 Polyclonal Antibody - Images