

PNLDC1 Rabbit pAb

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Catalog # AP54951

Product Information

Application	IHC-P, IHC-F, IF, E
Primary Accession	Q8NA58
Predicted	Human, Mouse, Rat, Rabbit
Host	Rabbit
Clonality	Polyclonal
Calculated MW	60124
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.

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 (HGNC:21185)
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA=1:500 0-10000
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.

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). 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](#)). 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](#)).

Cellular Location

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

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.