

# PNLDC1 Rabbit pAb

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Catalog # AP54951

## Product Information

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<b>Application</b>	IHC-P, IHC-F, IF, E
<b>Primary Accession</b>	<a href="#">Q8NA58</a>
<b>Predicted</b>	Human, Mouse, Rat, Rabbit
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Calculated MW</b>	60124
<b>Physical State</b>	Liquid
<b>Immunogen</b>	KLH conjugated synthetic peptide derived from human PNLDC1
<b>Epitope Specificity</b>	221-320/520
<b>Purity</b>	affinity purified by Protein A
<b>Buffer</b>	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
<b>SUBCELLULAR LOCATION</b>	Membrane.
<b>SIMILARITY</b>	Belongs to the CAF1 family.
<b>Important Note</b>	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

## Additional Information

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<b>Gene ID</b>	154197
<b>Other Names</b>	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 ( <a href="#">HGNC:21185</a> )
<b>Dilution</b>	IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA=1:500 0-10000
<b>Storage</b>	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

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<b>Name</b>	PNLDC1 ( <a href="#">HGNC:21185</a> )
<b>Function</b>	3'-exoribonuclease that has a preference for poly(A) tails of mRNAs, thereby efficiently degrading poly(A) tails (PubMed: <a href="#">27515512</a> ). 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'.