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# PNLDC1 Rabbit pAb

PNLDC1 Rabbit pAb
Catalog # AP54951

## Product Information

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| **Application** | IHC-P, IHC-F, IF |
| **Primary Accession** | Q8NA58 |
| **Predicted** | Rat, Human, Mouse, 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 |
| **Isotype** | IgG |
| **Purity** | affinity purified by Protein A |
| **Buffer** | 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. |
| **SUBCELLULAR LOCATION** | Membrane. |
| **Important Note** | 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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| **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=1:5000-10000 |
| **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

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| **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 |

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| | 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). |

## Background

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