

**PAPD1 Antibody (N-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP8847a****Specification**

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**PAPD1 Antibody (N-term) Blocking Peptide - Product Information**Primary Accession [Q9NVV4](#)**PAPD1 Antibody (N-term) Blocking Peptide - Additional Information****Gene ID** 55149**Other Names**

Poly(A) RNA polymerase, mitochondrial, PAP, PAP-associated domain-containing protein 1, Polynucleotide adenylyltransferase, Terminal uridylyltransferase 1, TUTase 1, mtPAP, MTPAP, PAPD1

**Target/Specificity**

The synthetic peptide sequence used to generate the antibody [AP8847a](/products/AP8847a) was selected from the N-term region of human PAPD1. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**PAPD1 Antibody (N-term) Blocking Peptide - Protein Information****Name** MTPAP**Synonyms** PAPD1**Function**

Polymerase that creates the 3' poly(A) tail of mitochondrial transcripts. Can use all four nucleotides, but has higher activity with ATP and UTP (in vitro). Plays a role in replication-dependent histone mRNA degradation. May be involved in the terminal uridylation of mature histone mRNAs before their degradation is initiated. Might be responsible for the creation of some UAA stop codons which are not encoded in mtDNA.

**Cellular Location**

Cytoplasm. Mitochondrion

**Tissue Location**

Ubiquitous, with stronger expression in tissues with high energy requirements: heart, brain, and skeletal muscle

**PAPD1 Antibody (N-term) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

**PAPD1 Antibody (N-term) Blocking Peptide - Images****PAPD1 Antibody (N-term) Blocking Peptide - Background**

PAPD1 is polymerase that creates the 3' poly(A) tail of mitochondrial transcripts. Plays a role in replication-dependent histone mRNA degradation. May be involved in the terminal uridylation of mature histone mRNAs before their degradation is initiated. Might be responsible for the creation of some UAA stop codons which are not encoded in mtDNA.

**PAPD1 Antibody (N-term) Blocking Peptide - References**

Chapuis,J.,et.al.,Mol. Psychiatry 14 (11), 1004-1016 (2009)