

PAPOLG Antibody (C-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP13183b

Specification

PAPOLG Antibody (C-term) - Product Information

Application	WB,E
Primary Accession	O9BWT3
Other Accession	NP_075045.2
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	82803
Antigen Region	685-714

PAPOLG Antibody (C-term) - Additional Information

Gene ID 64895

Other Names

Poly(A) polymerase gamma, PAP-gamma, Neo-poly(A) polymerase, Neo-PAP, Polynucleotide adenylyltransferase gamma, SRP RNA 3'-adenylating enzyme, PAPOLG, PAP2, PAPG

Target/Specificity

This PAPOLG antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 685-714 amino acids from the C-terminal region of human PAPOLG.

Dilution

WB~~1:1000

E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

PAPOLG Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

PAPOLG Antibody (C-term) - Protein Information

Name PAPOLG ([HGNC:14982](#))

Synonyms PAP2, PAPG

Function Responsible for the post-transcriptional adenylation of the 3'-terminal of mRNA precursors and several small RNAs including signal recognition particle (SRP) RNA, nuclear 7SK RNA, U2 small nuclear RNA, and ribosomal 5S RNA.

Cellular Location

Nucleus

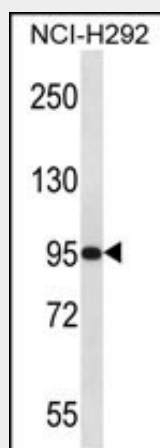
Tissue Location

Expressed predominantly in testis, and weakly in other tissues. Overexpressed in several tumors

PAPOLG Antibody (C-term) - 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](#)

PAPOLG Antibody (C-term) - Images

PAPOLG Antibody (C-term) (Cat. #AP13183b) western blot analysis in NCI-H292 cell line lysates (35ug/lane). This demonstrates the PAPOLG antibody detected the PAPOLG protein (arrow).

PAPOLG Antibody (C-term) - Background

This gene encodes a member of the poly(A) polymerase family which catalyzes template-independent extension of the 3' end of a DNA/RNA strand. This enzyme shares 60% identity to the well characterized poly(A) polymerase II (PAPII) at the amino acid level. These two enzymes have similar organization of structural and functional domains. This enzyme is exclusively localized in the nucleus and exhibits both nonspecific and CPSF (cleavage and polyadenylation specificity factor)/AAUAAA-dependent

polyadenylation activity. This gene is located on chromosome 2 in contrast to the PAPII gene, which is located on chromosome 14.

PAPOLG Antibody (C-term) - References

Lee, Y.S., et al. J. Biol. Chem. 285(36):28105-28116(2010)
Beausoleil, S.A., et al. Proc. Natl. Acad. Sci. U.S.A. 101(33):12130-12135(2004)
Kyriakopoulou, C.B., et al. J. Biol. Chem. 276(36):33504-33511(2001)
Topalian, S.L., et al. Mol. Cell. Biol. 21(16):5614-5623(2001)
Perumal, K., et al. J. Biol. Chem. 276(24):21791-21796(2001)