

**PAP Antibody (Center)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP11691c**

**Specification**

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**PAP Antibody (Center) - Product Information**

Application	WB, IHC-P,E
Primary Accession	<a href="#">P51003</a>
Other Accession	<a href="#">P25500</a> , <a href="#">NP_116021.2</a>
Reactivity	Human
Predicted	Bovine
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	82843
Antigen Region	407-435

**PAP Antibody (Center) - Additional Information**

**Gene ID** 10914

**Other Names**

Poly(A) polymerase alpha, PAP-alpha, Polynucleotide adenylyltransferase alpha, PAPOLA, PAP

**Target/Specificity**

This PAP antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 407-435 amino acids from the Central region of human PAP.

**Dilution**

WB~~1:1000

IHC-P~~1:50~100

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**

PAP Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

**PAP Antibody (Center) - Protein Information**

**Name** PAPOLA

## Synonyms PAP

**Function** Polymerase that creates the 3'-poly(A) tail of mRNA's. Also required for the endoribonucleolytic cleavage reaction at some polyadenylation sites. May acquire specificity through interaction with a cleavage and polyadenylation specificity factor (CPSF) at its C-terminus.

## Cellular Location

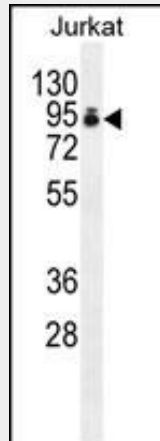
Cytoplasm. Nucleus. Note=The 90 kDa form is nuclear while the 100 kDa and the 106 kDa forms are both nuclear and cytoplasmic

## PAP Antibody (Center) - Protocols

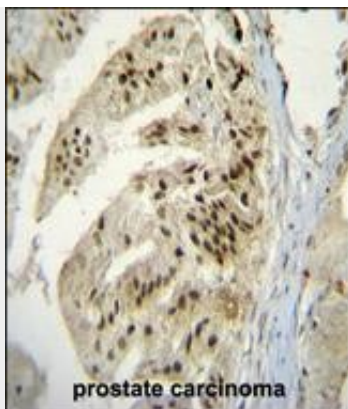
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

## PAP Antibody (Center) - Images



PAP Antibody (Center) (Cat. #AP11691c) western blot analysis in Jurkat cell line lysates (35ug/lane). This demonstrates the PAP antibody detected the PAP protein (arrow).



PAP Antibody (Center) (Cat. #AP11691c) immunohistochemistry analysis in formalin fixed and paraffin embedded human prostate carcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of PAP Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.

#### **PAP Antibody (Center) - Background**

Polymerase that creates the 3'-poly(A) tail of mRNA's. Also required for the endoribonucleolytic cleavage reaction at some polyadenylation sites. May acquire specificity through interaction with a cleavage and polyadenylation specificity factor (CPSF) at its C-terminus.

#### **PAP Antibody (Center) - References**

Rapti, A., et al. Mol. Cell. Biochem. 340 (1-2), 91-96 (2010) :  
Nan, H., et al. J. Invest. Dermatol. 129(9):2250-2257(2009)  
Olsen, J.V., et al. Cell 127(3):635-648(2006)  
Dettwiler, S., et al. J. Biol. Chem. 279(34):35788-35797(2004)  
Beausoleil, S.A., et al. Proc. Natl. Acad. Sci. U.S.A. 101(33):12130-12135(2004)