

PAP Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP11691c

Product Information

Application	WB, IHC-P, E
Primary Accession	P51003
Other Accession	P25500 , NP_116021.2
Reactivity	Human
Predicted	Bovine, Mouse, Rat, Canine, Rabbit, Chicken
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB19099
Calculated MW	82843
Antigen Region	407-435

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~~1:2000 IHC-P~~1:100~500 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.

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

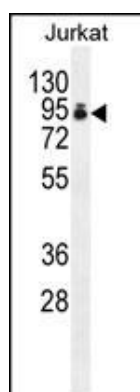
Background

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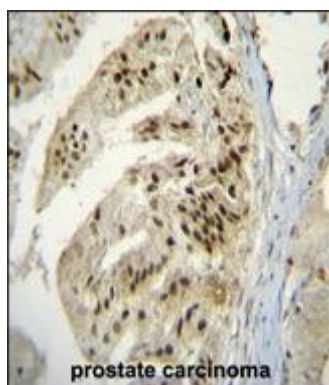
References

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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)

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.

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