

PAPOLB Rabbit pAb

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Catalog # AP58255

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q9NRJ5
Reactivity	Rat
Predicted	Pig, Human, Mouse, Rabbit
Host	Rabbit
Clonality	Polyclonal
Calculated MW	71813
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human PAPOLB
Epitope Specificity	351-450/636
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	Nuclear
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	Polyadenylation of the 3-prime ends of eukaryotic mRNAs is a key event that takes place in the nucleus during maturation of mRNA. The reaction includes endoribonucleolytic cleavage of the pre-RNA at the poly(A) site that leads to synthesis of the poly(A) tail at the 3-prime end of the upstream cleavage product. The poly(A) polymerase (PAP) is required. The adenosine addition reaction depends on poly(A) polymerase (PAP) activity. The testis express PAP-Beta (TPAP) in the cytoplasm of spermatogenic cells. The adenosine addition function of PAP-Beta plays a critical role in male germ cell production. PAP-Beta-deficient transgenic mice display impaired expression of haploid-specific genes that are necessary for spermatogenesis. The intronless gene encoding human PAP- β maps to chromosome 7p22.3.

Additional Information

Gene ID	56903
Other Names	Poly(A) polymerase beta, PAP-beta, 2.7.7.19, Polynucleotide adenylyltransferase beta, Testis-specific poly(A) polymerase, PAPOLB (HGNC:15970), PAP β
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
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.

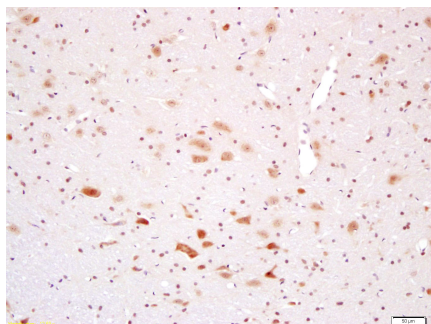
Protein Information

Name	PAPOLB (HGNC:15970)
Synonyms	PAPT
Cellular Location	Cytoplasm {ECO:0000250 UniProtKB:Q9WVP6}. Nucleus {ECO:0000250 UniProtKB:Q9WVP6}
Tissue Location	Testis specific.

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Images



Tissue/cell: rat brain tissue; 4% Paraformaldehyde-fixed and paraffin-embedded;
Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min;
Incubation: Anti-PAPOLB Polyclonal Antibody, Unconjugated(AP58255) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining

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