

**PAPD4 Polyclonal Antibody**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP57855**

**Specification**

---

**PAPD4 Polyclonal Antibody - Product Information**

Application	IHC-P, IHC-F, IF, ICC, E
Primary Accession	<a href="#">Q6PIY7</a>
Reactivity	Rat, Pig, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	56 KDa
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human PAPD4
Epitope Specificity	31-130/484
Isotype	IgG
<b>Purity</b>	
affinity purified by Protein A	
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Cytoplasm. Nucleus.
SIMILARITY	Belongs to the DNA polymerase type-B-like family. GLD2 subfamily. Contains 1 PAP-associated domain.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

**Background Descriptions**

PAPD4 (Poly(A) RNA Polymerase D4, Non-Canonical) is a Protein Coding gene. GO annotations related to this gene include polynucleotide adenylyltransferase activity. An important paralog of this gene is ZCCHC6.

**PAPD4 Polyclonal Antibody - Additional Information**

**Gene ID** 167153

**Other Names**

Poly(A) RNA polymerase GLD2, hGLD-2, 2.7.7.19, PAP-associated domain-containing protein 4, Terminal nucleotidyltransferase 2 {ECO:0000312|HGNC:HGNC:26776}, Terminal uridylyltransferase 2, TUTase 2, TENT2 ([http://www.genenames.org/cgi-bin/gene\\_symbol\\_report?hgnc\\_id=26776](http://www.genenames.org/cgi-bin/gene_symbol_report?hgnc_id=26776))  
target="\_blank">HGNC:26776</a>)

**Target/Specificity**

Expressed in brain. Within brain, it is expressed in cerebellum, hippocampus and medulla.

**Dilution**

<span class = "dilution\_IHC-P">IHC-P~~N/A</span><br \><span class = "dilution\_IHC-F">IHC-F~~N/A</span><br \><span class = "dilution\_IF">IF~~1:50~200</span><br \><span class = "dilution\_ICC">ICC~~N/A</span><br \><span class = "dilution\_E">E~~N/A</span>

### 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.

## PAPD4 Polyclonal Antibody - Protein Information

Name TENT2 ([HGNC:26776](#))

### Function

Cytoplasmic poly(A) RNA polymerase that adds successive AMP monomers to the 3'-end of specific RNAs, forming a poly(A) tail (PubMed:<a href="http://www.uniprot.org/citations/15070731" target="\_blank">15070731</a>, PubMed:<a href="http://www.uniprot.org/citations/31792053" target="\_blank">31792053</a>). In contrast to the canonical nuclear poly(A) RNA polymerase, it only adds poly(A) to selected cytoplasmic mRNAs (PubMed:<a href="http://www.uniprot.org/citations/15070731" target="\_blank">15070731</a>). Does not play a role in replication-dependent histone mRNA degradation (PubMed:<a href="http://www.uniprot.org/citations/18172165" target="\_blank">18172165</a>). Adds a single nucleotide to the 3' end of specific miRNAs, monoadenylation stabilizes and prolongs the activity of some but not all miRNAs (PubMed:<a href="http://www.uniprot.org/citations/23200856" target="\_blank">23200856</a>, PubMed:<a href="http://www.uniprot.org/citations/31792053" target="\_blank">31792053</a>).

### Cellular Location

Cytoplasm {ECO:0000250|UniProtKB:Q91YI6}. Nucleus {ECO:0000250|UniProtKB:Q91YI6}

### Tissue Location

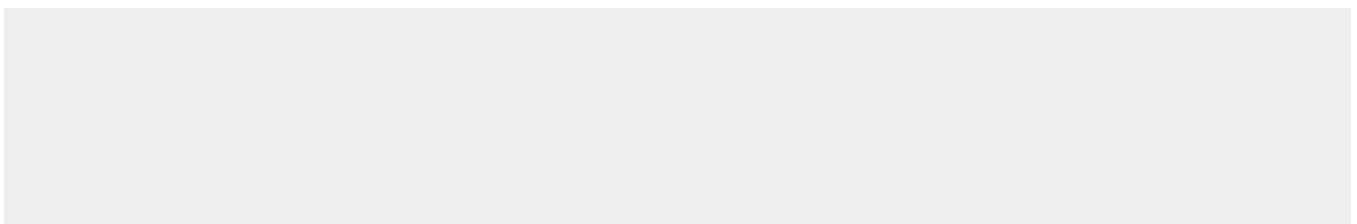
Expressed in brain. Within brain, it is expressed in cerebellum, hippocampus and medulla.

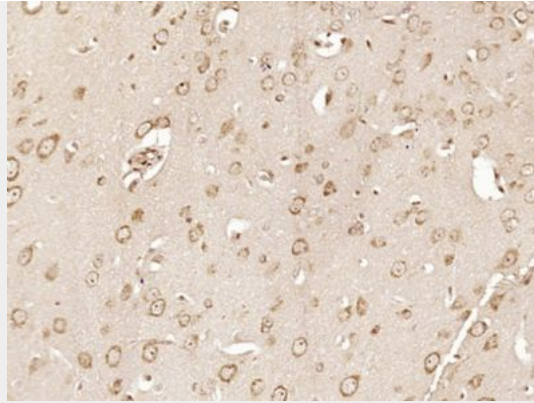
## PAPD4 Polyclonal Antibody - Protocols

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

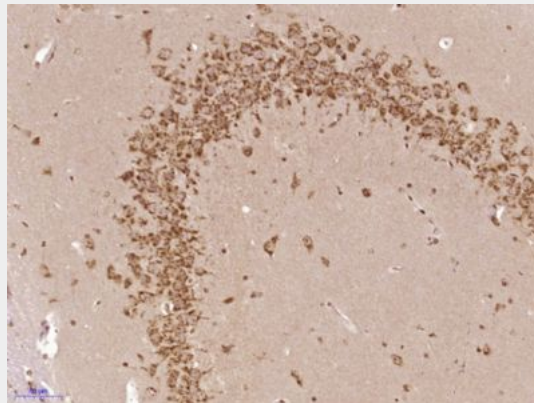
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

## PAPD4 Polyclonal Antibody - Images





Paraformaldehyde-fixed, paraffin embedded (Rat brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (PAPD4) Polyclonal Antibody, Unconjugated (bs-21076R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (Mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (PAPD4) Polyclonal Antibody, Unconjugated (bs-21076R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.