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PAPD4 Rabbit pAb

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Catalog # AP57855

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q6PIY7
Reactivity	Mouse, Rat
Predicted	Human, Dog, Pig, Horse, Rabbit, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	56028
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human PAPD4
Epitope Specificity	31-130/484
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	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.

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 (HGNC:26776)
Target/Specificity	Expressed in brain. Within brain, it is expressed in cerebellum, hippocampus and medulla.
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.

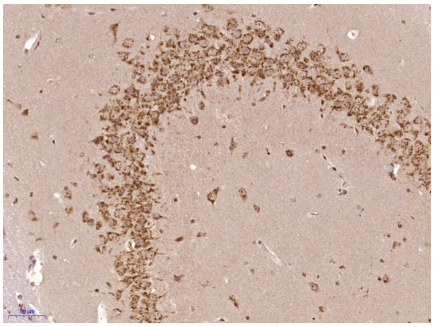
Protein Information

Name	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:15070731, PubMed:31792053). In contrast to the canonical nuclear poly(A) RNA polymerase, it only adds poly(A) to selected cytoplasmic mRNAs (PubMed:15070731). Does not play a role in replication-dependent histone mRNA degradation (PubMed:18172165). Adds a single nucleotide to the 3' end of specific miRNAs, monoadenylation stabilizes and prolongs the activity of some but not all miRNAs (PubMed:23200856, PubMed:31792053).
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.

Background

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.

Images



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 (AP57855) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.