

For Research Use Only

# PAPD5 Polyclonal antibody

Catalog Number: 55197-1-AP

Featured Product

1 Publications



## Basic Information

<b>Catalog Number:</b> 55197-1-AP	<b>GenBank Accession Number:</b> NM_001040285	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 353 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 64282	<b>Recommended Dilutions:</b> WB 1:500-1:1000 IP 0.5-4.0 ug for IP and 1:500-1:1000 for WB
<b>Source:</b> Rabbit	<b>Full Name:</b> PAP associated domain containing 5	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 64 kDa	
	<b>Observed MW:</b> 63-80 kDa	

## Applications

<b>Tested Applications:</b> IP, WB, ELISA	<b>Positive Controls:</b> WB : HepG2 cells, IP : Jurkat cells,
<b>Cited Applications:</b> WB	
<b>Species Specificity:</b> human, mouse, rat	
<b>Cited Species:</b> human	

## Background Information

PAPD5, also named as Non-canonical poly(A) RNA polymerase PAPD5, is a 572 amino acid protein, which contains 1 PAP-associated domain and belongs to the DNA polymerase type-B-like family. PAPD5 is predominantly expressed in the cytoplasm. PAPD5 as catalytic subunit of a TRAMP-like complex that has a poly(A) RNA polymerase activity and is involved in a post-transcriptional quality control mechanism. Polyadenylation with short oligo(A) tails is required for the degradative activity of the exosome on several of its nuclear RNA substrates. PAPD5 plays a role in replication-dependent histone mRNA degradation, probably through terminal uridylation of mature histone mRNAs. PAPD5 also may play a role in sister chromatid cohesion. The calculated molecular weight of PAPD5 is a 63 kDa, but the post-modified protein is about 70-80 kDa. PAPD5 exists some isoform with the molecular weight about 50 kDa and 70-80 kDa.

## Notable Publications

Author	Pubmed ID	Journal	Application
Jing Fan	30032211	Nucleic Acids Res	WB

## Storage

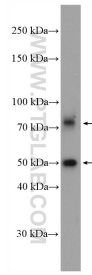
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

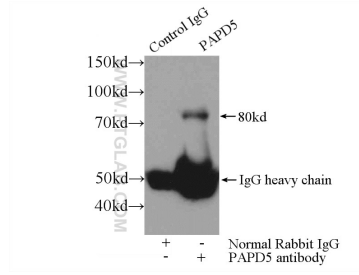
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
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## Selected Validation Data



HepG2 cells were subjected to SDS PAGE followed by western blot with 55197-1-AP (PAPD5 antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



IP Result of anti-PAPD5 (IP:55197-1-AP, 3 $\mu$ g; Detection:55197-1-AP 1:500) with Jurkat cells lysate 1600 $\mu$ g.