

For Research Use Only

PAPD5 Polyclonal antibody

Catalog Number: 55197-1-AP

Featured Product

2 Publications



Basic Information

Catalog Number:

55197-1-AP

Size:

150ul , Concentration: 353 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_001040285

GeneID (NCBI):

64282

UNIPROT ID:

Q8NDF8

Full Name:

PAP associated domain containing 5

Calculated MW:

64 kDa

Observed MW:

63-80 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

Applications

Tested Applications:

WB, IP, ELISA

Cited Applications:

WB

Species Specificity:

human, mouse, rat

Cited Species:

human

Positive Controls:

WB : HepG2 cells,

IP : Jurkat cells,

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
Kenzui Taniue	39419981	Nat Commun	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

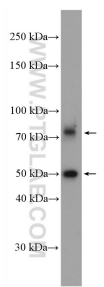
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

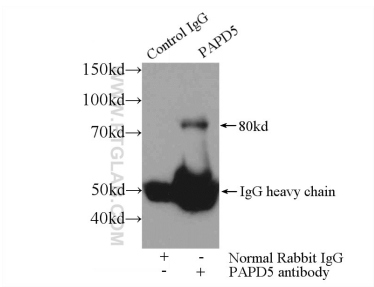
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

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, 3ug; Detection:55197-1-AP 1:500) with Jurkat cells lysate 1600ug.