

For Research Use Only

PAPD5 Polyclonal antibody

Catalog Number: 55197-1-AP

Featured Product

2 Publications



Basic Information

Catalog Number:

55197-1-AP

Size:

1000 μ g/ml

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 μ g 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

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

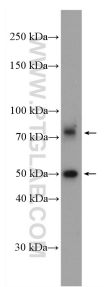
T: 4006900926

E: Proteintech-CN@ptglab.com

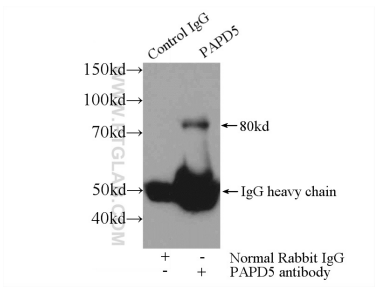
W: ptgcn.com

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