

For Research Use Only

# PAPOLG Polyclonal antibody

Catalog Number: 24284-1-AP



## Basic Information

### Catalog Number:

24284-1-AP

### Size:

150ul, Concentration: 750 ug/ml by Nanodrop and 367 ug/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG16208

### GenBank Accession Number:

BC111701

### GeneID (NCBI):

64895

### UNIPROT ID:

Q9BWT3

### Full Name:

poly(A) polymerase gamma

### Calculated MW:

736 aa, 83 kDa

### Observed MW:

83 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:500-1:2000

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

IHC 1:20-1:200

IF/ICC 1:800-1:3200

## Applications

### Tested Applications:

WB, IHC, IF/ICC, IP, ELISA

### Species Specificity:

human

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

### Positive Controls:

WB : HeLa cells, MCF-7 cells

IP : HeLa cells,

IHC : human testis tissue,

IF/ICC : HepG2 cells,

## Background Information

PAPOLG, also named as Neo-poly(A) polymerase or Polynucleotide adenylyltransferase gamma, is a 736 amino acid protein, which belongs to the poly(A) polymerase family. PAPOLG is expressed predominantly in testis, and weakly in other tissues. PAPOLG is responsible for the post-transcriptional adenylation of the 3'-terminal of mRNA precursors and several small RNAs including signal recognition particle (SRP) RNA, nuclear 7SK RNA, U2 small nuclear RNA, and ribosomal 5S RNA.

## 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

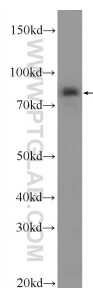
For technical support and original validation data for this product please contact:

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

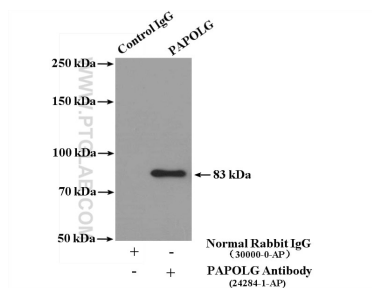
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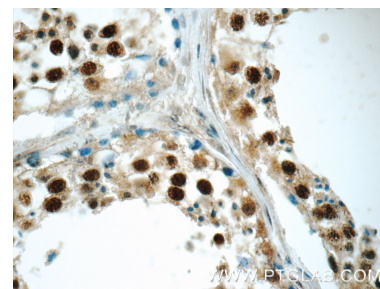
## Selected Validation Data



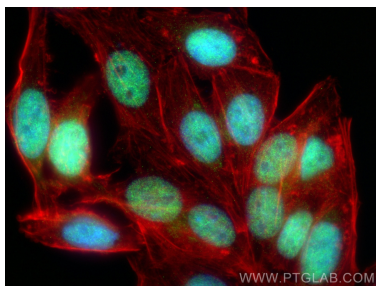
HeLa cells were subjected to SDS PAGE followed by western blot with 24284-1-AP (PAPOLG Antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



IP result of anti-PAPOLG (IP:24284-1-AP, 4ug; Detection:24284-1-AP 1:1000) with HeLa cells lysate 3200ug.



Immunohistochemical analysis of paraffin-embedded human testis tissue slide using 24284-1-AP (PAPOLG Antibody) at dilution of 1:50 (under 40x lens).



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using PAPOLG antibody (24284-1-AP) at dilution of 1:1600 and Multi-rAb CoraLite® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002), CL594-Phalloidin (red).