

For Research Use Only

# PAPOLA Polyclonal antibody, PBS Only

Catalog Number: 34287-1-PBS



## Basic Information

Catalog Number:

34287-1-PBS

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG41259

GenBank Accession Number:

BC036014

GeneID (NCBI):

10914

UNIPROT ID:

P51003

Full Name:

poly(A) polymerase alpha

Calculated MW:

82 kDa

Observed MW:

90 kDa

Purification Method:

Antigen affinity Purification

## Applications

Tested Applications:

WB, Indirect ELISA

Species Specificity:

human

## Background Information

Poly(A) polymerase  $\alpha$  (PAPOLA) is the most-studied mammalian poly(A) polymerase. Silencing PAPOLA in MCF-7 and MDA-MB-231 breast cancer cells reduced proliferation and anchorage-independent growth by decreasing steady-state cyclin D1 (CCND1) mRNA and protein levels. PAPOLA is a possible candidate target for the control of tumor growth that is mostly relevant to triple-negative tumors, a group characterized by PAPOLA overexpression and lack of alternative targeted therapies (PMID: 33712453). PAPOLA contains various forms of modifications such as acetylation, phosphorylation, and poly-sulfurization.

## Storage

Storage:

Store at  $-80^{\circ}\text{C}$ .

**The product is shipped with ice packs. Upon receipt, store it immediately at  $-80^{\circ}\text{C}$**

Storage Buffer:

PBS only, pH7.3

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

T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

W: [ptgcn.com](http://ptgcn.com)

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

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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 34287-1-AP (PAPOLA antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 34287-1-PBS in a different storage buffer formulation.