

For Research Use Only

# PAPOLA Polyclonal antibody

Catalog Number: 34287-1-AP



## Basic Information

<b>Catalog Number:</b> 34287-1-AP	<b>GenBank Accession Number:</b> BC036014	<b>Purification Method:</b> Antigen affinity Purification
<b>Source:</b> Rabbit	<b>GeneID (NCBI):</b> 10914	<b>Recommended Dilutions:</b> WB: 1:500-1:3000
<b>Isotype:</b> IgG	<b>UNIPROT ID:</b> P51003	
<b>Immunogen Catalog Number:</b> AG41259	<b>Full Name:</b> poly(A) polymerase alpha	
	<b>Calculated MW:</b> 82 kDa	
	<b>Observed MW:</b> 90 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : HeLa cells, U-251 cells, U-87 MG cells
<b>Species Specificity:</b> 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 -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol, pH7.3  
Aliquoting is unnecessary for -20°C storage

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

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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.