

For Research Use Only

# PRIM1 Polyclonal antibody

Catalog Number: 10773-1-AP **7 Publications**



## Basic Information

<b>Catalog Number:</b> 10773-1-AP	<b>GenBank Accession Number:</b> BC005266	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 133 µg/ml	<b>GeneID (NCBI):</b> 5557	<b>Recommended Dilutions:</b> WB 1:500-1:3000
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P49642	IP 0.5-4.0 µg for 1.0-3.0 mg of total protein lysate
<b>Isotype:</b> IgG	<b>Full Name:</b> primase, DNA, polypeptide 1 (49kDa)	IHC 1:20-1:200
<b>Immunogen Catalog Number:</b> AG1124	<b>Calculated MW:</b> 50 kDa	IF 1:50-1:500
	<b>Observed MW:</b> 50 kDa	

## Applications

<b>Tested Applications:</b> IF/ICC, IHC, IP, WB, ELISA	<b>Positive Controls:</b>
<b>Cited Applications:</b> WB, IHC	<b>WB :</b> HeLa cells, Sp2/0 cells, K-562 cells, HepG2 cells, Jurkat cells
<b>Species Specificity:</b> human, mouse, rat	<b>IP :</b> HeLa cells,
<b>Cited Species:</b> human, mouse	<b>IHC :</b> human lymphoma tissue, human thyroid cancer tissue
<b>Note-IHC:</b> <i>suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</i>	<b>IF :</b> HeLa cells,

## Background Information

DNA replication in human cells is initiated by a complex apparatus containing a DNA polymerase-alpha/primase complex. Primase synthesizes oligoribonucleotides that serve as primers for the initiation of DNA synthesis. It plays a role in both the initiation of DNA replication and the synthesis of Okazaki fragments for lagging strand synthesis. PRIM1 is a subunit of this complex.

## Notable Publications

Author	Pubmed ID	Journal	Application
Arthur J Zaugg	34718732	Nucleic Acids Res	WB
Zachary Mirman	35316728	DNA Repair (Amst)	WB
Zachary Mirman	35027730	Nat Cell Biol	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:

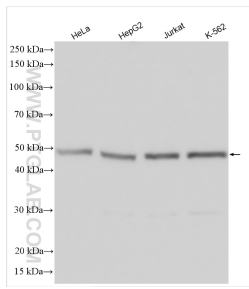
T: 4006900926

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

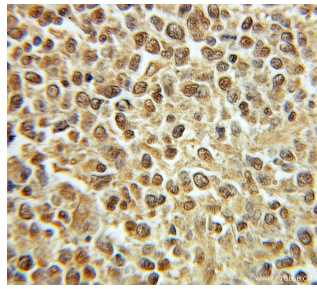
W: [ptgcn.com](http://ptgcn.com)

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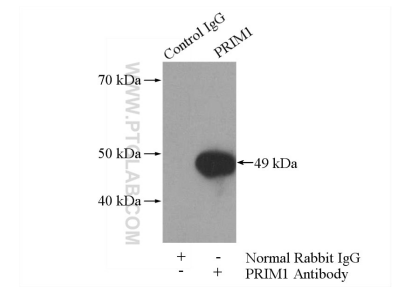
## Selected Validation Data



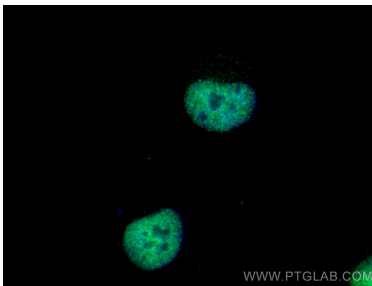
Various lysates were subjected to SDS PAGE followed by western blot with 10773-1-AP (PRIM1 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human lymphoma using 10773-1-AP (PRIM1 antibody) at dilution of 1:100 (under 10x lens).



IP result of anti-PRIM1 (IP:10773-1-AP, 4ug; Detection:10773-1-AP 1:300) with HeLa cells lysate 2800ug.



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using PRIM1 antibody (10773-1-AP) at dilution of 1:200 and Coralite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).