

For Research Use Only

# PRPF4 Polyclonal antibody

Catalog Number: 10728-1-AP **4 Publications**



## Basic Information

<b>Catalog Number:</b> 10728-1-AP	<b>GenBank Accession Number:</b> BC001588	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul, Concentration: 500 ug/ml by Nanodrop and 300 ug/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 9128	<b>Recommended Dilutions:</b> WB 1:1000-1:4000 IHC 1:10-1:100
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> O43172	
<b>Isotype:</b> IgG	<b>Full Name:</b> PRP4 pre-mRNA processing factor 4 homolog (yeast)	
<b>Immunogen Catalog Number:</b> AG1193	<b>Calculated MW:</b> 58 kDa	
	<b>Observed MW:</b> 58 kDa	

## Applications

<b>Tested Applications:</b> WB, IHC, ELISA	<b>Positive Controls:</b>
<b>Cited Applications:</b> WB	<b>WB:</b> HeLa cells, Raji cells, HEK-293 cells, HepG2 cells, K-562 cells
<b>Species Specificity:</b> human	<b>IHC:</b> human ovary tumor tissue,
<b>Cited Species:</b> human, mouse	

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

## Background Information

PRPF4, also named as U4/U6 small nuclear ribonucleoprotein Prp4, is a 522 amino acid protein, which contains seven WD repeats. PRPF4 localizes in the Nucleus speckle. PRPF4 participates in pre-mRNA splicing and is a part of the U4/U5/U6 tri-snRNP complex, one of the building blocks of the spliceosome. PRPF4-mediated phosphorylation of KLF13 plays a role in the regulation of CCL5 expression in T lymphocytes

## Notable Publications

Author	Pubmed ID	Journal	Application
Tanackovic Goranka G	21378395	Hum Mol Genet	WB
Huabin Yin	39368483	Cell Rep Med	WB
Bangming Jin	37395406	Nucleic Acids Res	WB

## Storage

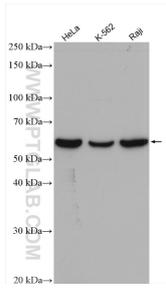
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

**\*\*\* 20ul sizes contain 0.1% BSA**

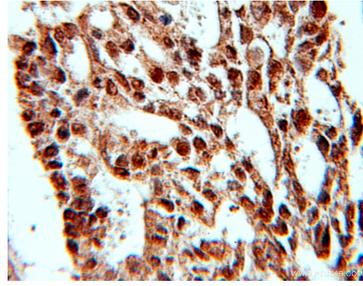
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 10728-1-AP (PRPF4 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human ovary tumor using 10728-1-AP (PRPF4 antibody) at dilution of 1:10 (under 10x lens).