

For Research Use Only

# ZMPSTE24 Polyclonal antibody

Catalog Number: 12847-1-AP



## Basic Information

<b>Catalog Number:</b> 12847-1-AP	<b>GenBank Accession Number:</b> BC037283	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 600 µg/ml by Nanodrop and 320 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 10269	<b>Recommended Dilutions:</b> WB 1:500-1:1000 IP 0.5-4.0 ug for IP and 1:200-1:1000 for WB
<b>Source:</b> Rabbit	<b>Full Name:</b> zinc metalloproteinase (STE24 homolog, <i>S. cerevisiae</i> )	<b>IF 1:10-1:100</b>
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 475 aa, 55 kDa	
<b>Immunogen Catalog Number:</b> AG3949	<b>Observed MW:</b> 55 kDa	

## Applications

<b>Tested Applications:</b> IF, IP, WB, ELISA	<b>Positive Controls:</b>
<b>Species Specificity:</b> human	<b>WB :</b> PC-3 cells, <b>IP :</b> PC-3 cells, <b>IF :</b> PC-3 cells,

## Background Information

ZMPSTE24(CAAX prenyl protease 1 homolog) gene encodes a zinc metalloproteinase involved in the processing of farnesylated proteins(PubMed: 10373325). The significance of ZMPSTE24 in human disease stems from its role as an enzyme necessary for the correct processing and maturation of lamin A ,an intermediate filament component of the nuclear envelope (PubMed: 16297189).

## Storage

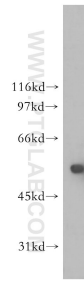
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
**Aliquoting is unnecessary for -20°C storage**

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

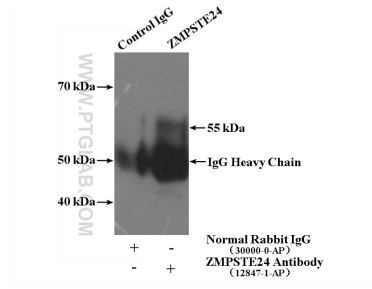
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com W: ptglab.com

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

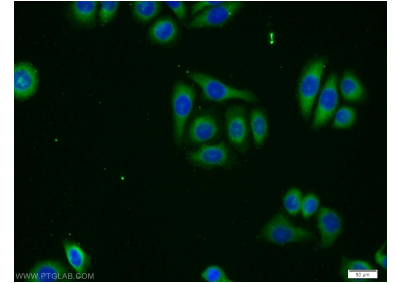
## Selected Validation Data



PC-3 cells were subjected to SDS PAGE followed by western blot with 12847-1-AP (ZMPSTE24 antibody) at dilution of 1:400 incubated at room temperature for 1.5 hours.



IP Result of anti-ZMPSTE24 (IP:12847-1-AP, 4ug; Detection:12847-1-AP 1:300) with PC-3 cells lysate 3200ug.



Immunofluorescent analysis of PC-3 cells using 12847-1-AP (ZMPSTE24 antibody) at dilution of 1:25 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).