

For Research Use Only

ZMPSTE24 Polyclonal antibody

Catalog Number: 12847-1-AP



Basic Information

Catalog Number:

12847-1-AP

Size:

600 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG3949

GenBank Accession Number:

BC037283

GeneID (NCBI):

10269

UNIPROT ID:

O75844

Full Name:

zinc metalloproteinase (STE24 homolog, *S. cerevisiae*)

Calculated MW:

475 aa, 55 kDa

Observed MW:

55 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

IP 0.5-4.0 µg for 1.0-3.0 mg of total protein lysate

IF/ICC 1:10-1:100

Applications

Tested Applications:

WB, IF/ICC, IP, ELISA

Species Specificity:

human

Positive Controls:

WB : PC-3 cells,

IP : PC-3 cells,

IF/ICC : 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

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

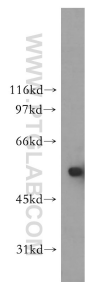
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E: Proteintech-CN@ptglab.com

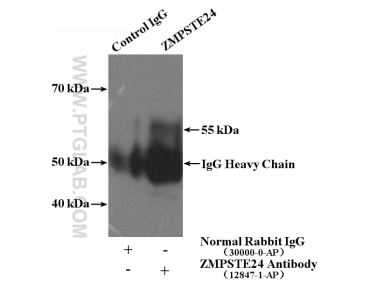
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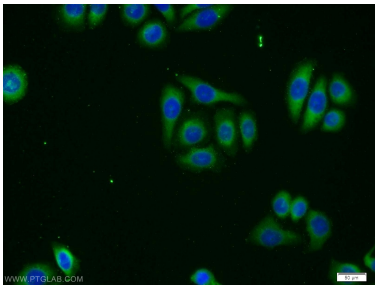
Selected Validation Data



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).