

For Research Use Only

# ZMPSTE24 Recombinant antibody

Catalog Number: 84547-2-RR



## Basic Information

Catalog Number:

84547-2-RR

Size:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG33613

GenBank Accession Number:

BC037283

GeneID (NCBI):

10269

UNIPROT ID:

O75844

Full Name:

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

Calculated MW:

475 aa, 55 kDa

Purification Method:

Protein A purification

CloneNo.:

241288C3

Recommended Dilutions:

IF/ICC 1:250-1:1000

## Applications

Tested Applications:

IF/ICC, ELISA

Species Specificity:

human

Positive Controls:

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:

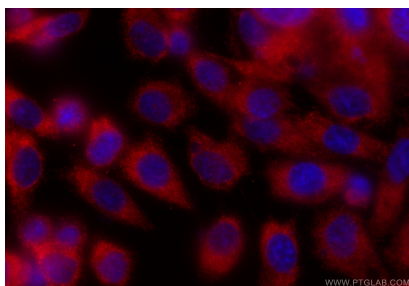
T: 4006900926

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

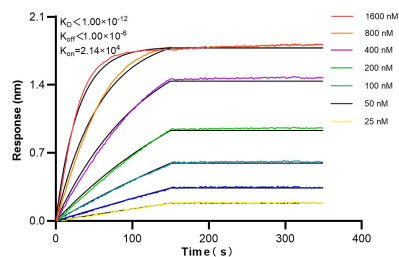
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## Selected Validation Data



Immunofluorescent analysis of (-20°C Ethanol) fixed PC-3 cells using ZMPSTE24 antibody (84547-2-RR, Clone: 241288C3 ) at dilution of 1:500 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).



Biolayer interferometry (BLI) kinetic assays of 84547-2-RR against Human ZMPSTE24 were performed. The affinity constant is below 1 pM.