

ZMPSTE24 Polyclonal Antibody

Catalog number: 12847-1-AP

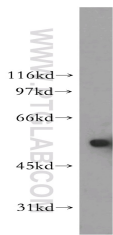
Size: 20 µg/150 µl

Source: Rabbit

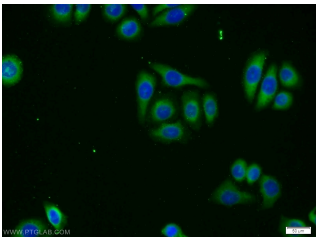
Isotype: IgG

Synonyms:

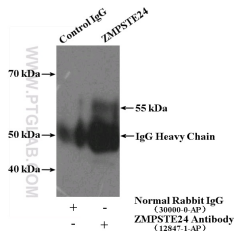
ZMPSTE24; CAAX prenyl protease 1 homolog, FACE 1, FACE1, FLJ14968, STE24, Ste24p, ZMPSTE24



PC-3 cells were subjected to SDS PAGE followed by western blot with 12847-1-AP (ZMPSTE24 antibody) at dilution of 1:400



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)



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

Background

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).

Applications

Tested applications:	ELISA, WB, IF, IP
Species specificity:	Human,Mouse,Rat; other species not tested.
Calculated ZMPSTE24 MW:	475aa,55 kDa
Observed ZMPSTE24 MW:	55 kDa
Positive WB detected in	PC-3 cells
Positive IP detected in	PC-3 cells
Positive IF detected in	PC-3 cells
Recommended dilution:	WB: 1:200-1:2000 IP: 1:200-1:1000 IF: 1:10-1:100

Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

Immunogen information

Immunogen:	Ag3949
GenBank accession number:	BC037283
Gene ID (NCBI):	10269
Full name:	Zinc metalloproteinase (STE24 homolog, <i>S. cerevisiae</i>)

Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3. Store at -20°C.