

A18593

Leader in Biomolecular Solutions for Life Science



## ZMPSTE24 Rabbit pAb

Catalog No.: A18593

### Basic Information

**Observed MW**

54kDa

**Calculated MW**

55kDa

**Category**

Polyclonal Antibody

**Applications**

WB, IHC-P, ELISA

**Cross-Reactivity**

Human, Mouse, Rat

### Background

This gene encodes a member of the peptidase M48A family. The encoded protein is a zinc metalloproteinase involved in the two step post-translational proteolytic cleavage of carboxy terminal residues of farnesylated prelamin A to form mature lamin A. Mutations in this gene have been associated with mandibuloacral dysplasia and restrictive dermopathy.

### Recommended Dilutions

<b>WB</b>	1:500 - 1:2000
<b>IHC-P</b>	1:50 - 1:200

### Immunogen Information

**Gene ID**

10269

**Swiss Prot**

O75844

**Immunogen**

A synthetic peptide corresponding to a sequence within amino acids 200-300 of human ZMPSTE24 (NP\_005848.2).

**Synonyms**

HGPS; PRO1; FACE1; RSDM1; STE24; FACE-1; Ste24p; ZMPSTE24

### Contact



[www.abclonal.com](http://www.abclonal.com)

### Product Information

**Source**

Rabbit

**Isotype**

IgG

**Purification**

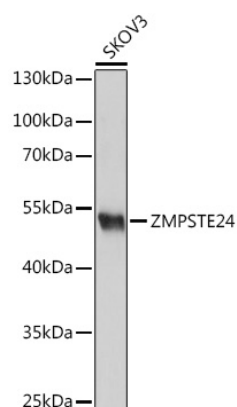
Affinity purification

**Storage**

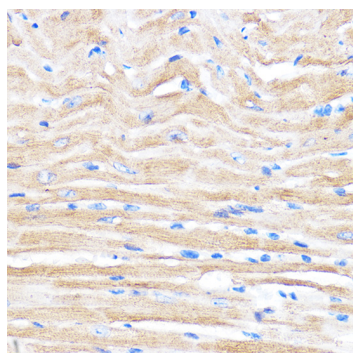
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.01% thimerosal, 50% glycerol, pH7.3.

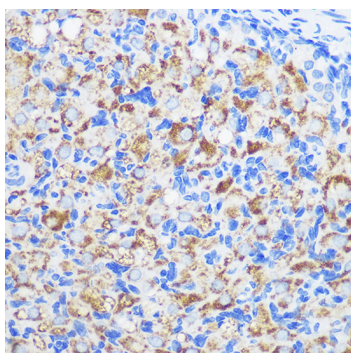
## Validation Data



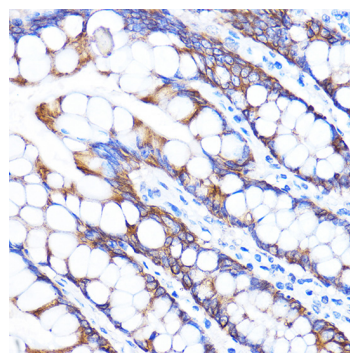
Western blot analysis of extracts of SKOV3 cells, using ZMPSTE24 antibody (A18593) at 1:1000 dilution.  
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
Lysates/proteins: 25µg per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.  
Detection: ECL Basic Kit (RM00020).  
Exposure time: 5s.



Immunohistochemistry analysis of paraffin-embedded Mouse heart using ZMPSTE24 Rabbit pAb (A18593) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.



Immunohistochemistry analysis of paraffin-embedded Rat ovary using ZMPSTE24 Rabbit pAb (A18593) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.



Immunohistochemistry analysis of paraffin-embedded Human colon using ZMPSTE24 Rabbit pAb (A18593) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.