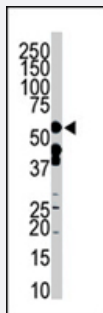


ZMPSTE24 polyclonal antibody

Catalog # PAB4318

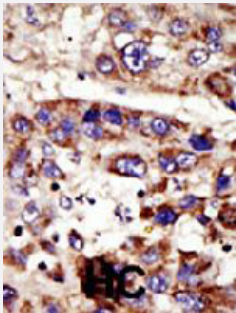
Size 400 uL

Applications



Western Blot (Cell lysate)

The ZMPSTE24 polyclonal antibody (Cat # PAB4318) is used in Western blot to detect ZMPSTE24 in T-47D cell lysate .



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Formalin-fixed and paraffin-embedded human hepatocellular carcinoma tissue reacted with ZMPSTE24 polyclonal antibody (Cat # PAB4318) , which was peroxidase-conjugated to the secondary antibody, followed by DAB staining . This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated . HC = hepatocarcinoma .

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of ZMPSTE24.
Immunogen	A synthetic peptide (conjugated with KLH) corresponding to C-terminus of human ZMPSTE24.
Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	Protein G purification

Recommend Usage	ELISA (1:1000) Western Blot (1:100-500) Immunohistochemistry (1:50-100) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

The ZMPSTE24 polyclonal antibody (Cat # PAB4318) is used in Western blot to detect ZMPSTE24 in T-47D cell lysate .

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Formalin-fixed and paraffin-embedded human hepatocellular carcinoma tissue reacted with ZMPSTE24 polyclonal antibody (Cat # PAB4318) , which was peroxidase-conjugated to the secondary antibody, followed by DAB staining . This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated . HC = hepatocarcinoma .

- Enzyme-linked Immunoabsorbent Assay

Gene Info — ZMPSTE24

Entrez GeneID	10269
Protein Accession#	FAC1_HUMAN
Gene Name	ZMPSTE24
Gene Alias	FACE-1, FACE1, FLJ14968, STE24, Ste24p
Gene Description	zinc metallopeptidase (STE24 homolog, S. cerevisiae)
Omim ID	275210 606480 608612
Gene Ontology	Hyperlink

Gene Summary

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. [provided by RefSeq]

Other Designations

CAAX prenyl protease|OTTHUMP00000006394|farnesylated-proteins converting enzyme 1|prenyl protein-specific endoprotease 1|zinc metalloproteinase STE24

Publication Reference

- [Identification and chromosomal location of two human genes encoding enzymes potentially involved in proteolytic maturation of farnesylated proteins.](#)

Freije JM, Blay P, Pendas AM, Cadinanos J, Crespo P, Lopez-Otin C.

Genomics 1999 Jun; 58(3):270.

- [Identification of a human cDNA encoding a novel protein structurally related to the yeast membrane-associated metalloprotease, Ste24p.](#)

Kumagai H, Kawamura Y, Yanagisawa K, Komano H.

Biochimica et Biophysica Acta 1999 Feb; 1426(3):468.

- [Dual roles for Ste24p in yeast a-factor maturation: NH2-terminal proteolysis and COOH-terminal CAAX processing.](#)

Tam A, Nouvet FJ, Fujimura-Kamada K, Slunt H, Sisodia SS, Michaelis S.

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Disease

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