Datasheet for ABIN389049

anti-ZMPSTE24 antibody (C-Term)

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Overview

Quantity:	400 µL
Target:	ZMPSTE24 (Zmpste24)
Binding Specificity:	AA 440-470, C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ZMPSTE24 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	This ZMPSTE24 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 440-470 amino acids from the C-terminal region of human ZMPSTE24.
Clone:	RB4774
Isotype:	Ig Fraction
Predicted Reactivity:	M
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Target Details

Target:	ZMPSTE24 (Zmpste24)

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Target Details

Alternative Name:	ZMPSTE24 (Zmpste24 Products)
Background:	ZMPSTE24 is a zinc metalloprotease similar to yeast Ste24p. It is an integral membrane protein belonging to peptidase family M48 and is found in the endoplasmic reticulum and possibly in the Golgi compartment. It is thought to be involved in the proteolytic processing of farnesylated proteins.
Molecular Weight:	54813
Gene ID:	10269
NCBI Accession:	NP_005848
UniProt:	O75844

Application Details

Application Notes:	WB: 1:1000. IHC-P: 1:50~100
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months

Publications

Product cited in:	Sharma, Åkerström, Sharma, Chow, Teow, Abrenica, Booth, Booth, Mirazimi, Lal: "SARS-CoV 9b protein diffuses into nucleus, undergoes active Crm1 mediated nucleocytoplasmic export and triggers apoptosis when retained in the nucleus." in: **PLoS ONE**, Vol. 6, Issue 5, pp. e19436, (2011) (PubMed).

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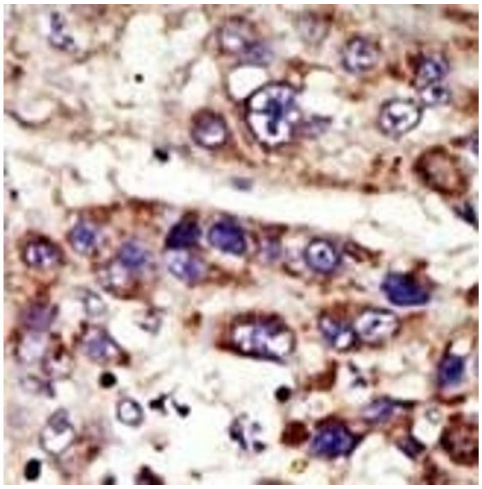
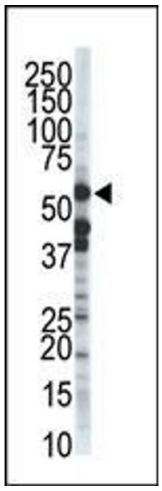
Images



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, 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. BC = breast carcinoma, HC = hepatocarcinoma.



Western Blotting

Image 2. The anti-ZSTE24 Pab (ABIN389049 and ABIN2839258) is used in Western blot to detect ZSTE24 in T-47D cell lysate.

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