

For Research Use Only

# ZMPSTE24 Recombinant antibody, PBS Only

Catalog Number: 84547-1-PBS



## Basic Information

<b>Catalog Number:</b> 84547-1-PBS	<b>GenBank Accession Number:</b> BC037283	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ug , Concentration: 1 mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 10269	<b>CloneNo.:</b> 241288C11
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> O75844	
<b>Isotype:</b> IgG	<b>Full Name:</b> zinc metalloproteinase (STE24 homolog, S. cerevisiae)	
<b>Immunogen Catalog Number:</b> AG33613	<b>Calculated MW:</b> 475 aa, 55 kDa	
	<b>Observed MW:</b> 60 kDa	

## Applications

**Tested Applications:**  
WB, Indirect ELISA

**Species Specificity:**  
human

## 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

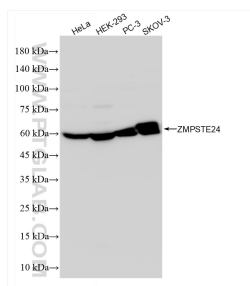
**Storage:**  
Store at -80°C.

**Storage Buffer:**  
PBS Only

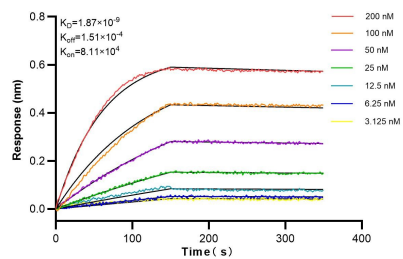
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 84547-1-RR (ZMPSTE24 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 84547-1-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 84547-1-RR against Human ZMPSTE24 were performed. The affinity constant is 1.87 nM.