

For Research Use Only

# SFMBT2 Polyclonal antibody

Catalog Number: 25256-1-AP **2 Publications**



## Basic Information

<b>Catalog Number:</b> 25256-1-AP	<b>GenBank Accession Number:</b> BC152430	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 600 µg/ml by Nanodrop and 347 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 57713	<b>Recommended Dilutions:</b> WB 1:500-1:3000
<b>Source:</b> Rabbit	<b>Full Name:</b> Scm-like with four mbt domains 2	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 894 aa, 101 kDa	
<b>Immunogen Catalog Number:</b> AG19379	<b>Observed MW:</b> 100 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : mouse brain tissue, NIH/3T3 cells, mouse spleen tissue, rat brain tissue
<b>Species Specificity:</b> mouse, rat	
<b>Cited Species:</b> mouse	

## Background Information

SFMBT2 (Scm like with four mbt domains 2), also named as KIAA1617. It is located in Nucleus and ubiquitous expression in thyroid and ovary. The calculated molecular weight of SFMBT2 is 100 kDa. Although mammalian SFMBTs have similar structural features with PcG protein dSFMBT, biological function and target genes of SFMBT have been not investigated well. Lee K and Na W investigated biological function of human SFMBT2 that interacted with YY1 using AR (androgen receptor)-negative DU145 prostate cancer cells. They found that human SFMBT2 represses HOXB13 gene expression via its association with methylated histones H3 and H4 that are transcriptional repression marks. Furthermore, their findings indicate that SFMBT2 may be involved in regulation of cell growth of DU145 prostate cancer cells (PMID: 23385818).

## Notable Publications

Author	Pubmed ID	Journal	Application
Safdar Hussain	30272322	Int J Mol Med	
Le-Yun Wang	32559418	Cell Stem Cell	

## Storage

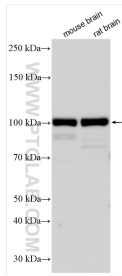
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 25256-1-AP (SFMBT2 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.