For Research Use Only

SFMBT2 Polyclonal antibody

Catalog Number:25256-1-AP 7 Publications

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Basic Information

Catalog Number:
25256-1-AP

Size:
150ul , Concentration: 600 ug/ml by Nanodrop;

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG19379

GenBank Accession Number:
BC152430

GeneID (NCBI):
57713

UNIPROT ID:
Q5VUG0

Full Name:
Scm-like with four mbt domains 2

Calculated MW:
894 aa, 101 kDa

Observed MW:
100 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
WB: 1:500-1:3000

Applications

Tested Applications:
WB, ELISA

Cited Applications:
WB, IHC, CoIP

Species Specificity:
mouse, rat

Cited Species:
human, mouse

Positive Controls:

WB : mouse brain tissue, NIH/3T3 cells, mouse spleen tissue, rat brain tissue

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	
Zekai Hu	41981059	Sci Rep	WB,IHC

Storage

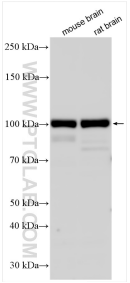
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 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
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

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.