

For Research Use Only

# SMARCA4 Recombinant antibody

Catalog Number: 83310-6-RR



## Basic Information

Catalog Number:

83310-6-RR

Concentration:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG16256

GenBank Accession Number:

BC150298

GeneID (NCBI):

6597

UNIPROT ID:

P51532

Full Name:

SWI/SNF related, matrix associated,  
actin dependent regulator of  
chromatin, subfamily a, member 4

Calculated MW:

1647 aa, 185 kDa

Observed MW:

185 kDa

Purification Method:

Protein A purification

CloneNo.:

240172G5

Recommended Dilutions:

WB: 1:5000-1:50000

IF/ICC: 1:200-1:800

FC (Intra): 0.25 µg per 10<sup>6</sup> cells in a  
100 µl suspension

## Applications

Tested Applications:

WB, IF/ICC, FC (Intra), ELISA

Species Specificity:

human, mouse, rat

Positive Controls:

WB: HeLa cells, HepG2 cells, HSC-T6 cells, NIH/3T3  
cells, HEK-293T cells, C6 cells

IF/ICC: HepG2 cells,

FC (Intra): Jurkat cells,

## Background Information

SMARCA4, also named as BAF190A, BRG1, SNF2B and SNF2L4, belongs to the SNF2/RAD54 helicase family. SMARCA4 is a transcriptional coactivator cooperating with nuclear hormone receptors to potentiate transcriptional activation. It is a component of the CREST-BRG1 complex, a multiprotein complex that regulates promoter activation by orchestrating a calcium-dependent release of a repressor complex and a recruitment of an activator complex. It is also involved in vitamin D-coupled transcription regulation via its association with the WINAC complex, a chromatin-remodeling complex recruited by vitamin D receptor (VDR), which is required for the ligand-bound VDR-mediated transrepression of the CYP27B1 gene.

## 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

For technical support and original validation data for this product please contact:

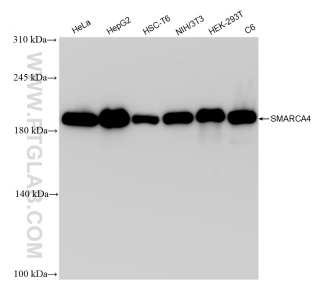
T: 4006900926

E: Proteintech-CN@ptglab.com

W: ptgcn.com

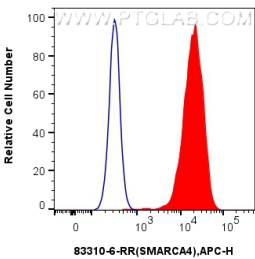
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 83310-6-RR (SMARCA4 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.

Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using SMARCA4 antibody (83310-6-RR, Clone: 240172G5 ) at dilution of 1:400 and CoraLite® 488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red).



1x10<sup>6</sup> Jurkat cells were intracellularly stained with 0.25 ug SMARCA4 Recombinant antibody (83310-6-RR, Clone:240172G5) and APC-Conjugated Goat Anti-Rabbit IgG(H+L)(red), or 0.25 ug Isotype Control (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).