

For Research Use Only

# SMARCA4 Recombinant antibody

Catalog Number: 83310-2-RR



## Basic Information

**Catalog Number:**

83310-2-RR

**Size:**

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.:**

240172F4

**Recommended Dilutions:**

WB 1:5000-1:50000

IF/ICC 1:125-1:500

## Applications

**Tested Applications:**

WB, ELISA, IF/ICC

**Species Specificity:**

Human, rat, mouse

**Positive Controls:**

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

**IF/ICC:** HepG2 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 pH 7.3.

Aliquoting is unnecessary for -20°C storage

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

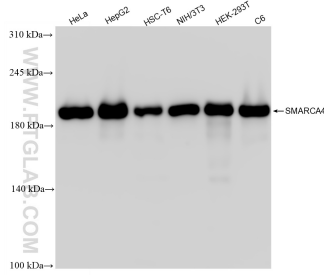
T: 4006900926

E: Proteintech-CN@ptglab.com

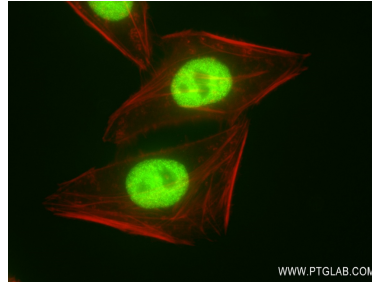
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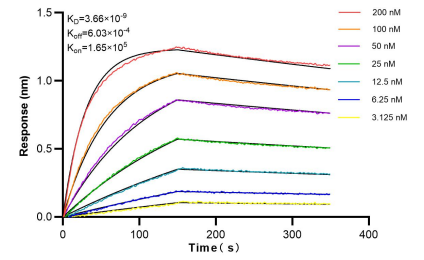
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 83310-2-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 (83310-2-RR, Clone: 240172F4) at dilution of 1:250 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red).



Bi-layer interferometry (BLI) kinetic assays of 83310-2-RR against Human SMARCA4 were performed. The affinity constant is 3.66 nM.