

For Research Use Only

SMARCA4 Recombinant antibody

Catalog Number: 83310-6-RR



Basic Information

Catalog Number:	83310-6-RR	GenBank Accession Number:	BC150298	Purification Method:	Protein A purification
Concentration:	1000 µg/ml	GenID (NCBI):	6597	Clone No.:	240172G5
Source:	Rabbit	UNIPROT ID:	P51532	Recommended Dilutions:	WB: 1:5000-1:50000 IF/ICC: 1:200-1:800 FC (Intra): 0.25 µg per 10 ⁶ cells in a 100 µl suspension
Isotype:	IgG	Full Name:	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily a, member 4	Calculated MW:	1647 aa, 185 kDa
Immunogen Catalog Number:	AG16256	Observed MW:	185 kDa		

Applications

Tested Applications:	WB, IF/ICC, FC (Intra), ELISA	Positive Controls:	WB: HeLa cells, HepG2 cells, HSC-T6 cells, NIH/3T3 cells, HEK-293T cells, C6 cells
Species Specificity:	human, mouse, rat	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

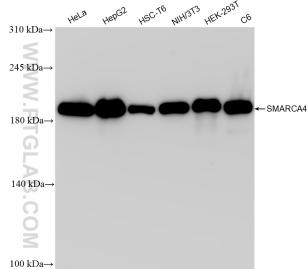
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:
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W: ptgcn.com

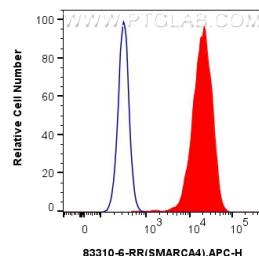
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Selected Validation Data



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).



1x10⁶ 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).