

For Research Use Only

CoraLite® Plus 488-conjugated SMARCA4/BRG1 Recombinant antibody

Catalog Number: CL488-83310-2



Basic Information

Catalog Number: CL488-83310-2	GenBank Accession Number: BC150298	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 6597	CloneNo.: 240172F4
Source: Rabbit	UNIPROT ID: P51532	Recommended Dilutions: IF/ICC 1:50-1:500
Isotype: IgG	Full Name: SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily a, member 4	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
Immunogen Catalog Number: AG16256	Calculated MW: 1647 aa, 185 kDa	
	Observed MW: 185 kDa	

Applications

Tested Applications: IF/ICC, FC (Intra)	Positive Controls: IF/ICC : HepG2 cells,
Species Specificity: human, mouse, rat	

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.

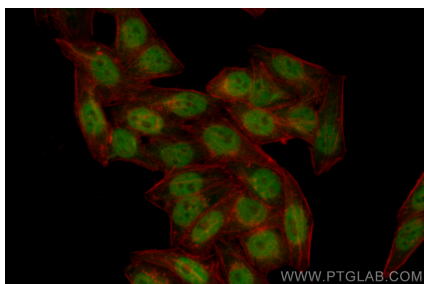
Storage

Storage:
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.
Aliquoting is unnecessary for -20°C storage

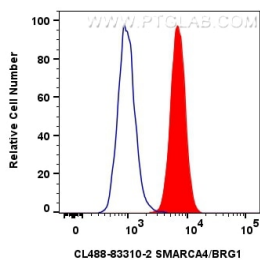
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using CoraLite® Plus 488 SMARCA4 antibody (CL488-83310-2, Clone: 240172F4) at dilution of 1:200.



1x10⁶ A549 cells were intracellularly stained with 0.25 ug CoraLite® Plus 488-conjugated SMARCA4/BRG1 Recombinant antibody (CL488-83310-2, Clone:240172F4)(red), or 0.25 ug CoraLite® Plus 488 Rabbit IgG Isotype Control Recombinant Antibody (CL488-98136, Clone: 240953C9) (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).