

For Research Use Only

CoraLite® Plus 488-conjugated SMARCE1 Monoclonal antibody

Catalog Number:CL488-66182



Basic Information

Catalog Number: CL488-66182	GenBank Accession Number: BC007082	Purification Method: Protein G purification
Size: 100ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 6605	CloneNo.: 1F3D6
Source: Mouse	UNIPROT ID: Q969G3	Recommended Dilutions: IF/ICC 1:50-1:500
Isotype: IgG1	Full Name: SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily e, member 1	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
Immunogen Catalog Number: AG1161	Calculated MW: 47 kDa	
	Observed MW: 50-55 kDa	

Applications

Tested Applications: IF/ICC, FC (Intra)	Positive Controls: IF/ICC : HEK-293 cells,
Species Specificity: human	

Background Information

Via antagonizing chromatin-mediated transcriptional repression, the SWI/SNF complex in *S. cerevisiae* and *Drosophila* is thought to facilitate transcriptional activation of specific genes. The BRG1/brm-associated factors, or SMARCE1, complex in mammals is functionally related to SWI/SNF and consists of 9 to 12 subunits, some of which are homologous to SWI/SNF subunits. It contains a DNA-binding HMG domain and performs multiple biological functions, including DNA-, protein- and chromatin-binding, transcription coactivating activity, chromatin modification, DNA-dependent negative regulation of transcription, regulation of transcription of the RNA polymerase II promoter. In addition, SMARCE1, as an ER (estrogen receptor) subtype-selective modulator, regulates ER mediated transcription in a ligand-dependent manner and also directly binds to AR (androgen receptor) to alter its activity. The calculated molecular weight of SMARCE1 is 47 kDa, but modified SMARCE1 is about 55 kDa.

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

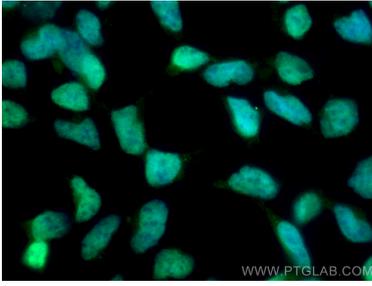
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

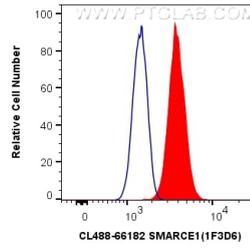
E: proteintech@ptglab.com
W: ptglab.com

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

Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed HEK-293 cells using CoraLite® Plus 488 SMARCE1 antibody (CL488-66182, Clone: 1F3D6) at dilution of 1:200.



1X10⁶ MCF-7 cells were intracellularly stained with 0.4 ug CoraLite® Plus 488 Anti-Human SMARCE1 (CL488-66182, Clone:1F3D6) (red), or 0.4 ug Control Antibody. Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).