For Research Use Only

CoraLite®594-conjugated SMARCA4 Monoclonal antibody

proteintech®
Antibodies | ELISA kits | Proteins
www.ptglab.com

Catalog Number:CL594-66561

Basic Information

Catalog Number:
CL594-66561

Size:
100ul , Concentration: 1000 µg/ml by Nanodrop;

Source:
Mouse

Isotype:
IgG2b

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

Purification Method:
Protein A purification

CloneNo.:
2E6B6

Recommended Dilutions:
IF/ICC 1:50-1:500

Excitation/Emission maxima wavelengths:
588 nm / 604 nm

Applications

Tested Applications:
IF/ICC, FC (Intra)

Species Specificity:
human

Positive Controls:

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. And this anitbody is CL594(Ex/Em 593 nm/614 nm) conjugated.

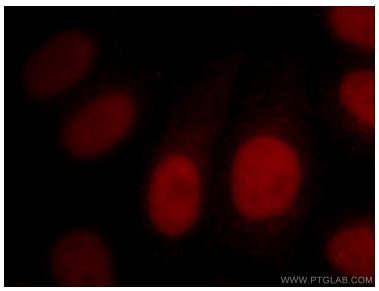
Storage

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

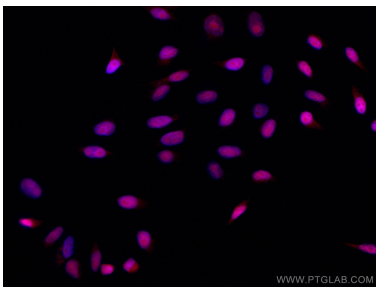
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

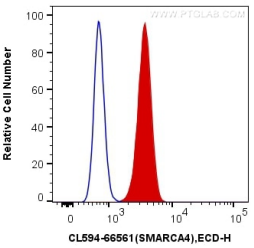
Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using CL594-66561 (SMARCA4 antibody) at dilution of 1:50.



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using CoraLite®594 SMARCA4 antibody (CL594-66561, Clone: 2E6B6) at dilution of 1:200. DAPI (blue).



1X10^6 HeLa cells were intracellularly stained with 0.2 ug CoraLite®594 Anti-Human SMARCA4 (CL594-66561, Clone:2E6B6) (red), or 0.2 ug Mouse IgG2b Isotype Control (CL594-66360-3, Clone: K11B8C4B5) (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).