

For Research Use Only

CoraLite® Plus 488-conjugated SETD1A Monoclonal antibody



Catalog Number: CL488-67936

Basic Information

Catalog Number: CL488-67936	GenBank Accession Number: NM_014712	Purification Method: Protein G purification
Size: 1000 µg/ml	GeneID (NCBI): 9739	CloneNo.: 1C2G12
Source: Mouse	UNIPROT ID: O15047	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
Isotype: IgG1	Full Name: SET domain containing 1A	
Immunogen Catalog Number: AG30424	Calculated MW: 186 kDa	
	Observed MW: 270 kDa	

Applications

Tested Applications:
FC (Intra)

Species Specificity:
Human, mouse, rat

Background Information

SETD1A is a SET domain-containing methyltransferase involved in the epigenetic regulation of transcription (PMID:12670868). It is the main catalytic component of a multiprotein complex that methylates lysine 4 of histone H3, a histone mark associated with gene activation (PMID:29937342). Responsible for H3K4me3 enriched promoters and transcriptional programming of inner mass stem cells and neuron progenitors during embryogenesis (PMID:31197650). Does not methylate 'Lys-4' of histone H3 if the neighboring 'Lys-9' residue is already methylated (PubMed:12670868). SETD1A has a calculated molecular weight of 186 kDa, and a 258 kDa band was also reported (PMID: 31076518).

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:

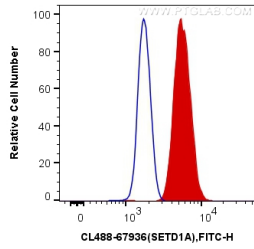
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



1X10⁶ HEK-293 cells were intracellularly stained with 0.4 ug CoraLite® Plus 488 Anti-Human SETD1A (CL488-67936, Clone:1C2G12) (red), or 0.4 ug Control Antibody. Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).