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:Excitation/Emission015047wavelengths:Full Name:493 nm / 522 nmSET domain containing 1A	Excitation/Emission maxima wavelengths:
	Isotype: IgG1 Immunogen Catalog Number: AG30424		493 nm / 522 nm
		Calculated MW: 186 kDa	
		Observed MW: 270 kDa	
Applications	Tested Applications: Species Specificity:		
Background Information	human, mouse, rat 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:T: 4006900926E: Proteintech-CN@ptglab.comW: ptgcn.com

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Selected Validation Data