

For Research Use Only

CoraLite® Plus 488-conjugated Mono/Di-Methyl-Histone H3 (Lys9) Recombinant antibody



Catalog Number: CL488-80219

Basic Information

Catalog Number: CL488-80219	GenBank Accession Number: BC066245	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 8350	CloneNo.: 1E12
Source: Rabbit	Full Name: histone cluster 1, H3a	Excitation/Emission maxima wavelengths: 488 nm / 515 nm
Isotype: IgG	Observed MW: 15-18 kDa	

Applications

Tested Applications:
FC (Intra)

Species Specificity:
Human, mouse, rat

Background Information

Histones, including H1/H5 (linker histones), H2, H3, and H4 (core histones), are nucleic proteins which interact with DNA to form the nucleosomes and play important roles in gene regulation and DNA replication. Histone proteins are highly post-translationally modified while Histone H3 is the most extensively modified. Methylation of Histone H3 at lysine 9 is linked to transcriptional repression. This antibody is specific to monomethyl or dimethyl-Histone H3 while it does not recognize trimethyl-Histone H3 (Lys9). It is also named as H3K9me1/2.

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

*** 20ul sizes contain 0.1% BSA

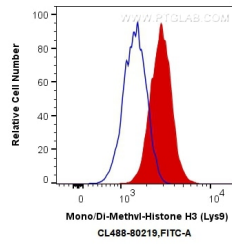
For technical support and original validation data for this product please contact:

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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 HepG2 cells were intracellularly stained with 0.4 ug CoraLite® Plus 488 Anti-Human Mono/Di-Methyl-Histone H3 (Lys9) (CL488-80219, Clone:1E12) (red), or 0.4 ug Control Antibody. Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).