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

Catalog Number: **CL488-80219**

## Basic Information

Catalog Number:	GenBank Accession Number:	Purification Method:
CL488-80219	BC066245	Protein A purification
Size:	GeneID (NCBI):	CloneNo.:
100ul , Concentration: 1000 µg/ml by Nanodrop;	8350	1E12
Source:	UNIPROT ID:	Excitation/Emission maxima wavelengths:
Rabbit	P68431	493 nm / 522 nm
Isotype:	Full Name:	
IgG	histone cluster 1, H3a	
	Observed MW:	
	15-18 kDa	

## Applications

Tested Applications:  
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

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