

For Research Use Only

# Mono/Di-Methyl-Histone H3 (Lys9) Recombinant antibody, PBS Only



Catalog Number: 80219-1-PBS

## Basic Information

<b>Catalog Number:</b> 80219-1-PBS	<b>GenBank Accession Number:</b> BC066245	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ug , Concentration: 1mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 8350	<b>CloneNo.:</b> 1E12
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P68431	
<b>Isotype:</b> IgG	<b>Full Name:</b> histone cluster 1, H3a	
	<b>Observed MW:</b> 15-18 kDa	

## Applications

**Tested Applications:**  
Indirect ELISA, IF/ICC, WB

**Species Specificity:**  
rat, mouse, human

## 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

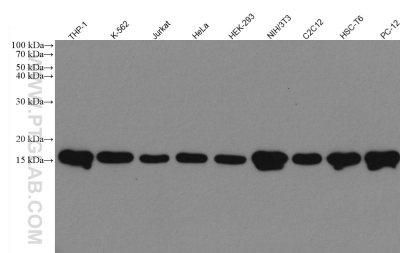
**Storage:**  
Store at -80°C.

**Storage Buffer:**  
PBS Only

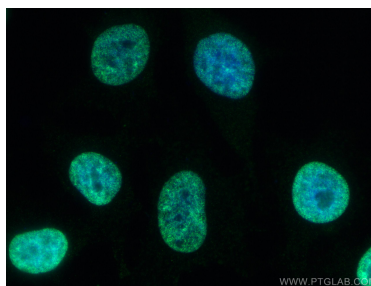
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

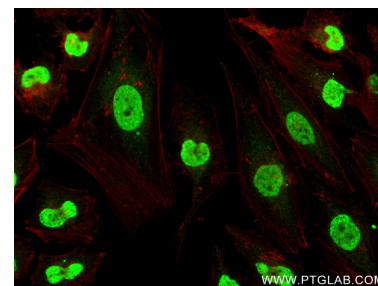
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 80219-1-RR (Mono/Di-Methyl-Histone H3 (Lys9) antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 80219-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using Mono/Di-Methyl-Histone H3 (Lys9) antibody (80219-1-RR, Clone: 1E12 ) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L). This data was developed using the same antibody clone with 80219-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using Mono/Di-Methyl-Histone H3 (Lys9) antibody (80219-1-RR, Clone: 1E12 ) at dilution of 1:250 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red). This data was developed using the same antibody clone with 80219-1-PBS in a different storage buffer formulation.