For Research Use Only

Mono/Di-Methyl-Histone H3 (Lys9) Recombinant antibody

Catalog Number:80219-1-RR

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Basic Information

Catalog Number:
80219-1-RR

Size:
100ul , Concentration: 1000 μg/ml by Nanodrop;

Source:
Rabbit

Isotype:
IgG

GenBank Accession Number:
BC066245

GeneID (NCBI):
8350

Full Name:
histone cluster 1, H3a

Observed MW:
15-18 kDa

Purification Method:
Protein A purification

CloneNo.:
1E12

Recommended Dilutions:
WB 1:2000-1:5000
IF 1:200-1:800

Applications

Tested Applications:
IF, WB, ELISA

Species Specificity:
Human, mouse, rat

Positive Controls:

WB : THP-1 cells, K-562 cells, Jurkat cells, HeLa cells, HEK-293 cells, NIH/3T3 cells, C2C12 cells, HSC-T6 cells, PC-12 cells

IF : HeLa cells, HepG2 cells

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.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol 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:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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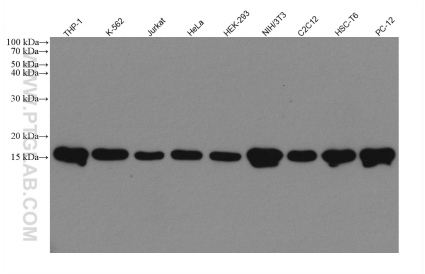
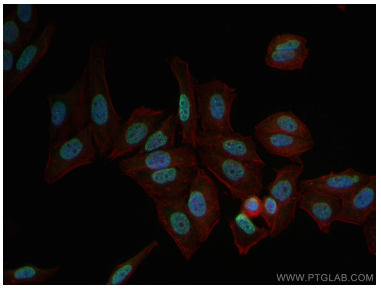
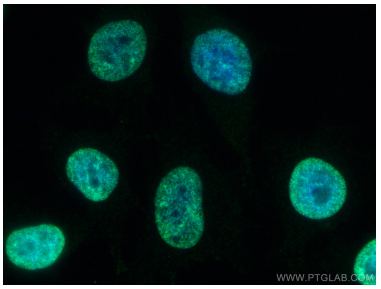
Selected Validation Data



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.



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using Mono/Di-Methyl-Histone H3 (Lys9) antibody (80219-1-RR, Clone: 1E12) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CL594-Phalloidin (red).



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).