

For Research Use Only

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

Catalog Number: CL488-86990-2



Basic Information

Catalog Number:
CL488-86990-2

Source:
Rabbit

Isotype:
IgG

GenBank Accession Number:
BC066245

GeneID (NCBI):
8350

UNIPROT ID:
P68431

Full Name:
histone cluster 1, H3a

Observed MW:
15-17 kDa

Purification Method:
Protein A purification

CloneNo.:
252046G7

Recommended Dilutions:
IF/ICC: 1:50-1:500

Excitation/Emission maxima
wavelengths:
493 nm / 522 nm

Applications

Tested Applications:
IF/ICC

Species Specificity:
human

Positive Controls:

IF/ICC : MCF-7 cells,

Background Information

H3K9me2 is a typical transcriptional repressive modification, primarily enriched in heterochromatin regions (such as centromeres, telomeres, and transposon elements), but can also be scattered throughout euchromatin. By recruiting "reader" proteins such as HP1 (Heterochromatin Protein 1), H3K9me2 can establish and stabilize a chromatin condensation state, thereby silencing gene expression.

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, pH7.3

Aliquoting is unnecessary for -20°C storage

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

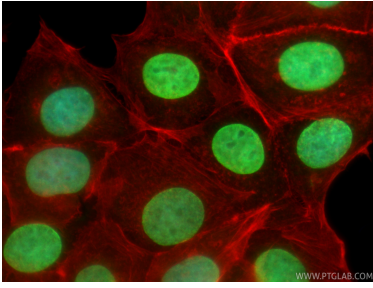
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed MCF-7 cells using CoraLite® Plus 488 Di-Methyl-Histone H3 (Lys9) antibody (CL488-86990-2, Clone: 252046G7) at dilution of 1:200, CL594-phalloidin (red).