

For Research Use Only

Mono-Methyl-Histone H3 (Lys23) Recombinant monoclonal antibody

Catalog Number:86861-1-RR



Basic Information

Catalog Number: 86861-1-RR	GenBank Accession Number: BC066245	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 8350	CloneNo.: 250368B2
Source: Rabbit	UNIPROT ID: P68431	Recommended Dilutions: WB: 1:2000-1:10000 IF/ICC: 1:500-1:2000 Dot blot: 1:10-1:100 ChIP-qPCR: 1:10-1:100
Isotype: IgG	Full Name: histone cluster 1, H3a Observed MW: 15 kDa	

Applications

Tested Applications: WB, IF/ICC, Dot blot, ELISA, ChIP-qPCR	Positive Controls: WB : HeLa cells, HepG2 cells, K-562 cells, NIH/3T3 cells, HSC-T6 cells IF/ICC : HeLa cells, NIH/3T3 cells Dot blot: / /, ChIP-qPCR : HeLa cells,
Species Specificity: human, mouse, rat	

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

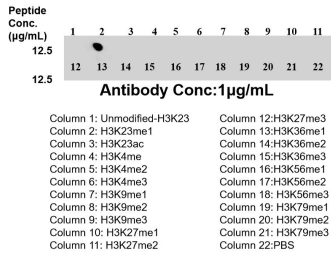
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free
in USA), or 1(312) 455-8498 (outside USA)

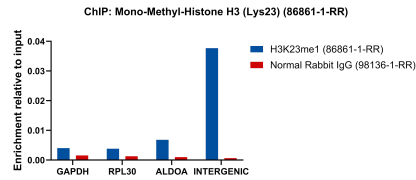
E: proteintech@ptglab.com
W: ptglab.com

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

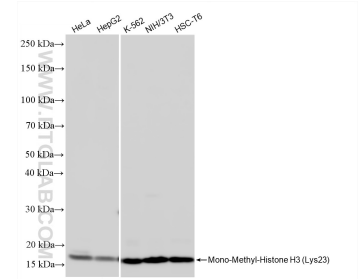
Selected Validation Data



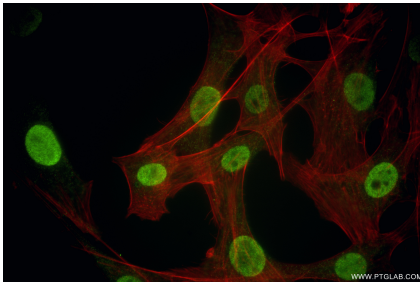
Dot blot analysis was used to confirm the specificity of 86861-1-RR Mono-Methyl-Histone H3 (Lys23) antibody. peptides were spotted onto NC and probed with antibody at 1 µg/ml. The amount of peptide (µg/mL) spotted is indicated next to each row.



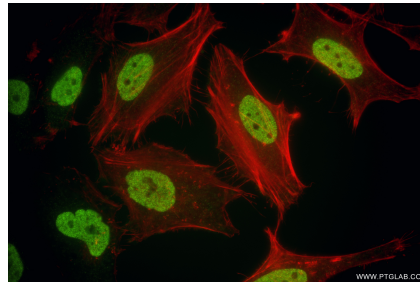
Chromatin was prepared from HeLa cells. Cells were fixed with formaldehyde for 10 minutes. The ChIP was performed with 15 µg of cross-linked chromatin, 5 µg of Mono-Methyl-Histone H3 (Lys23) (86861-1-RR) or 5 µg of Normal Rabbit IgG (98136-1-RR), and 20 µl of Protein A Magarose Beads. The immunoprecipitated DNA was quantified by real-time PCR.



Various lysates were subjected to SDS PAGE followed by western blot with 86861-1-RR (Mono-Methyl-Histone H3 (Lys23) antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed NIH/3T3 cells using Mono-Methyl-Histone H3 (Lys23) antibody (86861-1-RR, Clone: 250368B2) at dilution of 1:1000 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red).



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using Mono-Methyl-Histone H3 (Lys23) antibody (86861-1-RR, Clone: 250368B2) at dilution of 1:1000 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red).