bsm-33104M

[Primary Antibody]

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Histone H3(mono methyl K79) Mouse mAb

- DATASHEET -

Host: Mouse Isotype: IgG1
Clonality: Monoclonal CloneNo.: 3D6
GeneID: 8350 SWISS: P68431

Target: Histone H3(mono methyl K79)

Immunogen: KLH conjugated synthesised methylpeptide derived from human

Histone H3 around the methylation site of mono methyl K79:

DF(mono methyl K)TD.

Purification: affinity purified by Protein G

Concentration: 1mg/ml

Storage: Size: 50ul/100ul/200ul

0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50%

Glycerol.

Size: 200ug (PBS only)

0.01M PBS

Shipped at 4°C. Store at -20°C for one year. Avoid repeated

freeze/thaw cycles.

Background: Modulation of the chromatin structure plays an important role in

the regulation of transcription in eukaryotes. The nucleosome, made up of four core histone proteins (H2A, H2B, H3 and H4), is the primary building block of chromatin. The N-terminal tail of core histones undergoes different posttranslational modifications including acetylation, phosphorylation and methylation. These modifications occur in response to cell signal stimuli and have a direct effect on gene expression. In most species, the histone H2B is primarily acetylated at lysines 5, 12, 15 and 20. Histone H3 is primarily acetylated at lysines 9, 14, 18 and 23. Acetylation at lysine 9 appears to have a dominant role in histone deposition and chromatin assembly in some organisms. Phosphorylation at Ser10 of histone H3 is tightly correlated with chromosome condensation

during both mitosis and meiosis.

Applications: WB (1:500-2000)

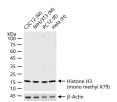
IHC-P (1:1000-5000) **IHC-F** (1:1000-5000) **IF** (1:1000-5000)

Reactivity: Human, Mouse, Rat

Predicted MW.: ^{15 kDa}

Subcellular Nucleus Location:

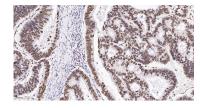
VALIDATION IMAGES



25 ug total protein per lane of various lysates (see on figure) probed with Histone H3(mono methyl K79) monoclonal antibody, unconjugated (bsm-33104M) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.



Paraformaldehyde-fixed, paraffin embedded Human Breast Cancer; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with Histone H3(mono methyl K79) Monoclonal Antibody, Unconjugated (ascites of bsm-33104M) at 1:1500 overnight at 4°C, followed by conjugation to the bs-40296G-HRP and DAB (C-0010) staining.



Paraformaldehyde-fixed, paraffin embedded Human Colon Cancer; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with Histone H3(mono methyl K79) Monoclonal Antibody, Unconjugated (ascites of bsm-33104M) at 1:1500 overnight at 4°C, followed by conjugation to the bs-40296G-HRP and DAB (C-0010) staining.