

Histone H3 (mono methyl K18) Rabbit monoclonal antibody

Catalog: BS9810M

Host: Rabbit

Reactivity: Human, Mouse, Rat

Background:

Chromatin is the arrangement of DNA and proteins in which chromosomes are formed. Correspondingly, chromatin is formed from nucleosomes, which are comprised of a set of four histone proteins (H2A, H2B, H3, H4) wrapped with DNA. Chromatin is a very dynamic structure in which numerous post-translational modifications work together to activate or repress the availability of DNA to be copied, transcribed, or repaired. These marks decide which DNA will be open and commonly active (euchromatin) or tightly wound to prevent access and activation (heterochromatin). Common histone modifications include methylation of lysine and arginine, acetylation of lysine, phosphorylation of threonine and serine, and sumoylation, biotinylation, and ubiquitylation of lysine.

Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

Molecular Weight:

~ 17 kDa

Swiss-Prot:

P68431/P84243/Q16695/Q6NXT2/Q71DI3

Purification&Purity:

Protein A affinity purified

Applications:

WB: 1:1000-1:5000 IHC/ICC/IF: 1:50-1:200

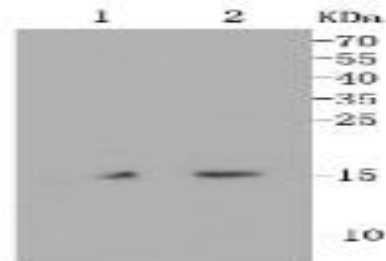
Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Specificity:

This antibody detects endogenous levels of Histone H3 protein only when Methyl at Lys18.

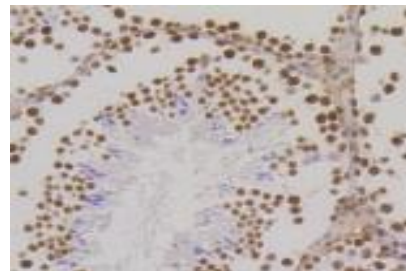
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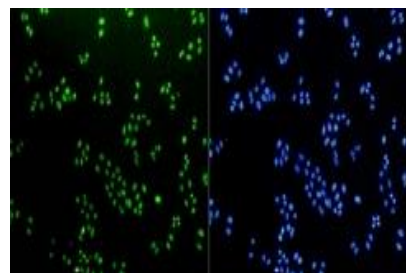
Western blot (WB) analysis of Histone H3 (mono methyl K18) Rabbit mAb at 1:1000 dilution

Lane1: HeLa whole cell lysate

Lane2: HepG2 whole cell lysate



Immunohistochemical analysis of paraffin-embedded mouse testis tissue using anti-Histone H3(mono methyl K18) antibody. Counter stained with hematoxylin.



ICC staining Histone H3(mono methyl K18) in HepG2 cells (green).

The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton *100/PBS.

Note:

For research use only, not for use in diagnostic procedure.

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