

Histone H3 (DiMethyl-K27) monoclonal antibody

Catalog: MB65938

Host: Mouse

Reactivity: Human, Mouse, Rat

Background:

Core component of nucleosome. Nucleosomes wrap and compact DNA into chromatin, limiting DNA accessibility to the cellular machineries which require DNA as a template. Histones thereby play a central role in transcription regulation, DNA repair, DNA replication and chromosomal stability. DNA accessibility is regulated via a complex set of post-translational modifications of histones, also called histone code, and nucleosome remodeling.

Product:

Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.

Molecular Weight:

~ 15 kDa

Swiss-Prot:

P68431; Q71DI3; P84243

Purification&Purity:

The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB (1/1000 - 1/3000), IHC (1/200 - 1/500), IP (1/50 - 1/200)

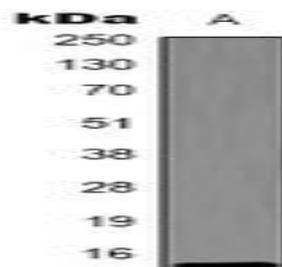
Storage&Stability:

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

Specificity:

Recognizes endogenous levels of Histone H3 (DiMethyl K27) protein.

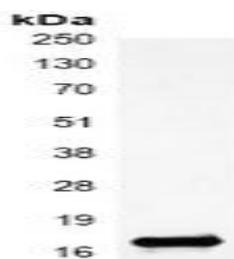
DATA:



Western blot analysis of Histone H3 (DiMethyl K27) expression in HeLa (A) whole cell lysates.



Immunohistochemical analysis of Histone H3 (DiMethyl K27) staining in human skin formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Immunoprecipitation of Histone H3 (DiMethyl K27) from 0.5mg HeLa whole cell extract lysate, using Anti-Histone H3 (DiMethyl K27) Antibody.

Note:

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

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