

Histone H3 monoclonal antibody

Catalog: MB65953

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:

~ 16 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 (1/2000 - 1/5000), IF/ICC (1/100 - 1/500), IP (1/50 - 1/200)

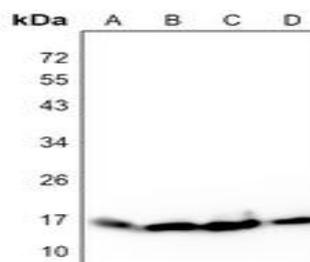
Storage&Stability:

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

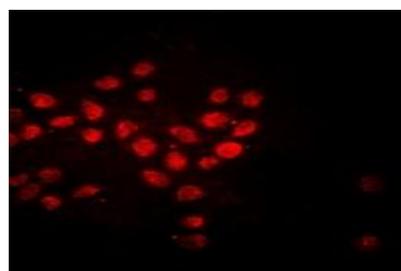
Specificity:

Recognizes endogenous levels of Histone H3 protein.

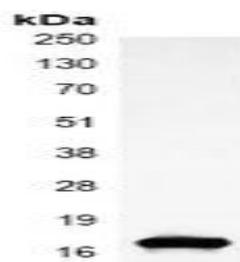
DATA:



Western blot analysis of Histone H3 expression in HeLa (A), Raw264.7 (B), mouse brain (C), rat brain (D) whole cell lysates.



Immunofluorescent analysis of Histone H3 staining in HeLa cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark.



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

Note:

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

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