

Histone H2B (7E2) Mouse mAb

Catalog # AP53518

Product Information

Application	WB, IHC
Primary Accession	P33778
Reactivity	Rat
Host	Mouse
Clonality	Monoclonal Antibody
Calculated MW	13950

Additional Information

Gene ID	3018
Other Names	H2B GL105, H2B.1, Histone H2B type 1B, HIST1H2BB
Dilution	WB~~1:100000 IHC~~1:100~500
Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide, pH 7.3.
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

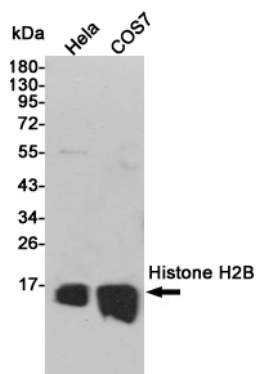
Protein Information

Name	H2BC3 (HGNC:4751)
Function	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.
Cellular Location	Nucleus. Chromosome.

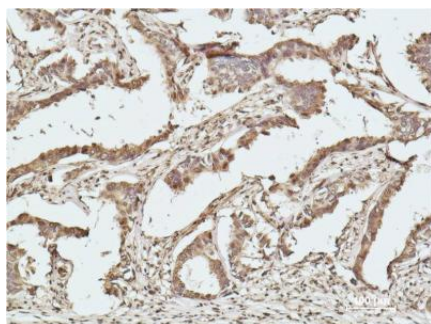
Background

Swiss-Prot Acc.P33778.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.

Images



Western blot detection of Histone H2B in HeLa and COS7 cell lysates using Histone H2B mouse mAb (1:100000 diluted). Predicted band size: 14 kDa. Observed band size: 14 kDa.



Immunohistochemical analysis of paraffin-embedded human breast carcinoma using Histone H2B mouse mAb diluted at 1:500.

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