

Anti-Histone H2B Antibody

Catalog # AP54134

Product Information

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

Additional Information

Gene ID	3018
Other Names	H2BFF; Histone H2B type 1-B; Histone H2B.1; Histone H2B.f; H2B/f
Target/Specificity	Recognizes endogenous levels of Histone H2B protein.
Dilution	WB~~1/1000 - 1/3000
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

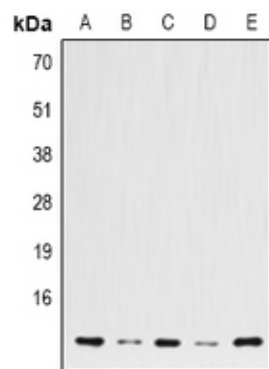
Protein Information

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.

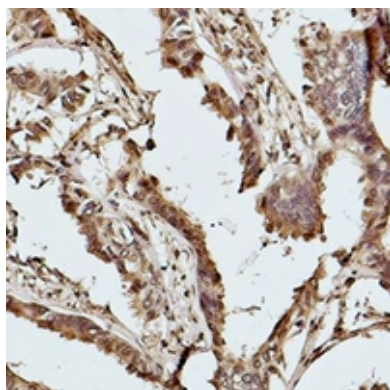
Background

Mouse monoclonal antibody to Histone H2B

Images



Western blot analysis of Histone H2B expression in Hela (A), NIH3T3 (B), Raw264.7 (C), rat brain (D), rat kidney (E) whole cell lysates.



Immunohistochemical analysis of Histone H2B staining in human breast cancer 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.

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