

Anti-Histone H2B Antibody
Catalog # AP54134**Specification**

Anti-Histone H2B Antibody - Product Information

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

Anti-Histone H2B Antibody - 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

IHC~~1:100~500

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

Anti-Histone H2B Antibody - 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

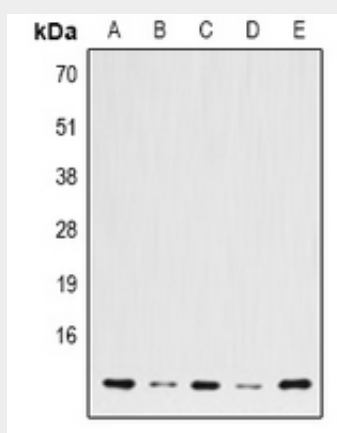
Nucleus. Chromosome.

Anti-Histone H2B Antibody - Protocols

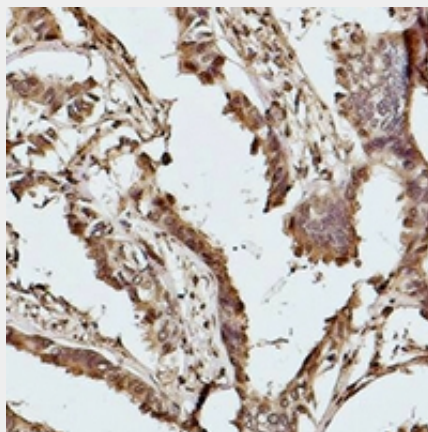
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-Histone H2B Antibody - 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.

Anti-Histone H2B Antibody - Background

Mouse monoclonal antibody to Histone H2B