

**Anti-Histone H2B (AcK12) Antibody**  
**Rabbit polyclonal antibody to Histone H2B (AcK12)**  
**Catalog # AP60304****Specification**

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**Anti-Histone H2B (AcK12) Antibody - Product Information**

Application	WB, IF/IC, IHC
Primary Accession	<a href="#">P57053</a>
Reactivity	Human, Mouse, Monkey, Chicken, Bovine, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	13944

**Anti-Histone H2B (AcK12) Antibody - Additional Information****Gene ID** 54145**Other Names**

Histone H2B type F-S; Histone H2B.s; H2B/s

**Target/Specificity**

Recognizes endogenous levels of Histone H2B (AcK12) protein.

**Dilution**

WB~~WB (1/500 - 1/1000), IH (1/100 - 1/200), IF/IC (1/100 - 1/500)

IF/IC~~N/A

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 (AcK12) Antibody - Protein Information****Name** H2BC12L ([HGNC:4762](#))**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**

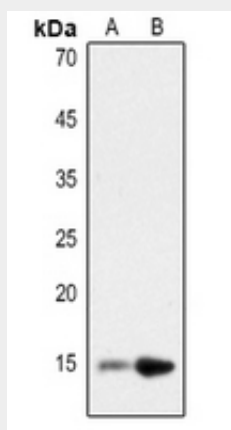
Nucleus. Chromosome.

### Anti-Histone H2B (AcK12) Antibody - Protocols

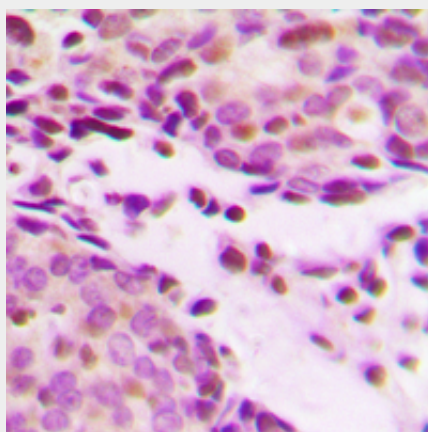
Provided below are standard protocols that you may find useful for product applications.

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

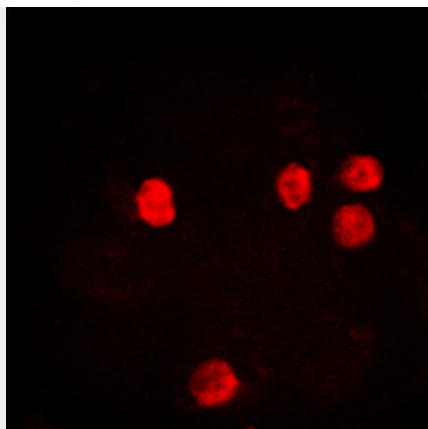
### Anti-Histone H2B (AcK12) Antibody - Images



Western blot analysis of Histone H2B (AcK12) expression in HEK293T (A), HeLa (B) whole cell lysates.



Immunohistochemical analysis of Histone H2B (AcK12) 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.



Immunofluorescent analysis of Histone H2B (AcK12) 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.

#### **Anti-Histone H2B (AcK12) Antibody - Background**

KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of human Histone H2B (AcK12). The exact sequence is proprietary.