

**Anti-Histone H2A (Butyryl-K5) Antibody**  
**Rabbit polyclonal antibody to Histone H2A (Butyryl-K5)**  
**Catalog # AP61418**

## Specification

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### Anti-Histone H2A (Butyryl-K5) Antibody - Product Information

Application	WB
Primary Accession	<a href="#">P0C0S8</a>
Other Accession	<a href="#">P22752</a>
Reactivity	Human, Mouse, Rat, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	14091

### Anti-Histone H2A (Butyryl-K5) Antibody - Additional Information

**Gene ID** 8329;8330;8332;8336;8969

**Other Names**

H2AFP; H2AFC; H2AFD; H2AFI; H2AFN; Histone H2A type 1; H2A.1; Histone H2A/p

**Target/Specificity**

Recognizes endogenous levels of Histone H2A with a site at Butyryl-K5 protein.

**Dilution**

WB~~WB (1/500 - 1/1000), IH (1/50 - 1/200)

**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 H2A (Butyryl-K5) Antibody - Protein Information

**Name** H2AC11 ([HGNC:4737](#))

**Synonyms** H2AFP, HIST1H2AG

**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**

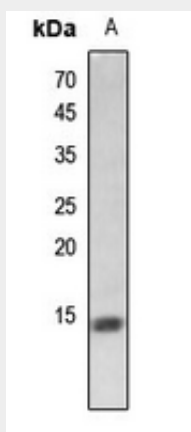
Nucleus. Chromosome.

### Anti-Histone H2A (Butyryl-K5) Antibody - Protocols

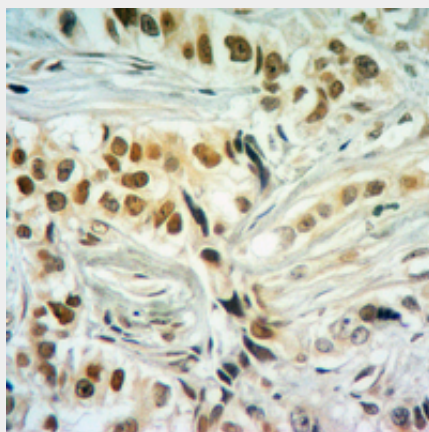
Provided below are standard protocols that you may find useful for product applications.

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

### Anti-Histone H2A (Butyryl-K5) Antibody - Images



Western blot analysis of Histone H2A (Butyryl-K5) expression in MCF7 (A) whole cell lysates.



Immunohistochemical analysis of Histone H2A (Butyryl-K5) 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 H2A (Butyryl-K5) Antibody - Background

KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of human Histone H2A with a site at Butyryl-K5. The exact sequence is proprietary.