

**Anti-Histone H2A (hydroxyl Y39) HIST1H2AB Rabbit Monoclonal Antibody**  
**Catalog # ABO14311****Specification****Anti-Histone H2A (hydroxyl Y39) HIST1H2AB Rabbit Monoclonal Antibody - Product Information**

Application	WB, IHC
Primary Accession	<a href="#">P04908</a>
Host	Rabbit
Isotype	Rabbit IgG
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Format	Liquid

**Description**

Anti-Histone H2A (hydroxyl Y39) HIST1H2AB Rabbit Monoclonal Antibody . Tested in WB, IHC applications. This antibody reacts with Human, Mouse, Rat.

**Anti-Histone H2A (hydroxyl Y39) HIST1H2AB Rabbit Monoclonal Antibody - Additional Information**

**Gene ID** 3012;8335

**Other Names**

Histone H2A type 1-B/E, Histone H2A.2, Histone H2A/a, Histone H2A/m, H2AC4 ([http://www.genenames.org/cgi-bin/gene\\_symbol\\_report?hgnc\\_id=4734](http://www.genenames.org/cgi-bin/gene_symbol_report?hgnc_id=4734))  
HGNC:4734

**Calculated MW**

14135 MW KDa

**Application Details**

WB 1:500-1:2000<br>IHC 1:500-1:2000

**Subcellular Localization**

Nucleus. Chromosome.

**Contents**

Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.

**Immunogen**

A synthesized peptide derived from human Histone H2A (hydroxyl Y39)

**Purification**

Affinity-chromatography

**Storage**

**Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated**

freeze-thaw cycles.

## Anti-Histone H2A (hydroxyl Y39) HIST1H2AB Rabbit Monoclonal Antibody - Protein Information

**Name** H2AC4 ([HGNC:4734](#))

### 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

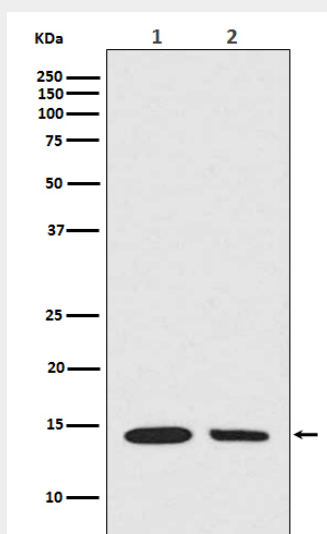
Nucleus. Chromosome.

## Anti-Histone H2A (hydroxyl Y39) HIST1H2AB Rabbit Monoclonal Antibody - Protocols

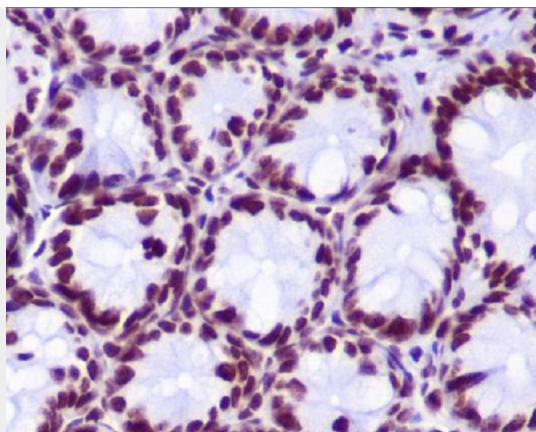
Provided below are standard protocols that you may find useful for product applications.

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

## Anti-Histone H2A (hydroxyl Y39) HIST1H2AB Rabbit Monoclonal Antibody - Images



Western blot analysis of Calreticulin expression in (1) NIH/3T3 cell lysate; (2) A549 cell lysate.



Immunohistochemical analysis of paraffin-embedded mouse colon, using Histone H2A (hydroxyl Y39) Antibody.