

# Hydroxyl-Histone H2A-Y39 Rabbit mAb

Catalog No.: A4827 **Recombinant**

## Basic Information

**Observed MW**

14kDa

**Calculated MW**

14kDa

**Category**

Primary antibody

**Applications**

WB,IHC-P,ELISA

**Cross-Reactivity**

Human, Mouse, Rat, Other (Wide Range Predicted)

**CloneNo number**

ARC0253

## Background

Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. Nucleosomes consist of approximately 146 bp of DNA wrapped around a histone octamer composed of pairs of each of the four core histones (H2A, H2B, H3, and H4). The chromatin fiber is further compacted through the interaction of a linker histone, H1, with the DNA between the nucleosomes to form higher order chromatin structures. This gene is intronless and encodes a replication-dependent histone that is a member of the histone H2A family. Transcripts from this gene lack polyA tails; instead, they contain a palindromic termination element. This gene is found in the large histone gene cluster on chromosome 6p22-p21.3.

## Recommended Dilutions

**WB** 1:500 - 1:2000**IHC-P** 1:50 - 1:200

**ELISA** Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

## Immunogen Information

**Gene ID**

3012/8329

**Swiss Prot**

P04908/P0C0S8

**Immunogen**

Synthetic peptide. This information is considered to be commercially sensitive.

**Synonyms**

H2A.1; H2A.2; H2A/a; H2AC4; H2AFA; HIST1H2AE; Hydroxyl-Histone H2A-Y39

## Contact

 | 400-999-6126 | [cn.market@abclonal.com.cn](mailto:cn.market@abclonal.com.cn) | [www.abclonal.com.cn](http://www.abclonal.com.cn)

## Product Information

**Source**

Rabbit

**Isotype**

IgG

**Purification**

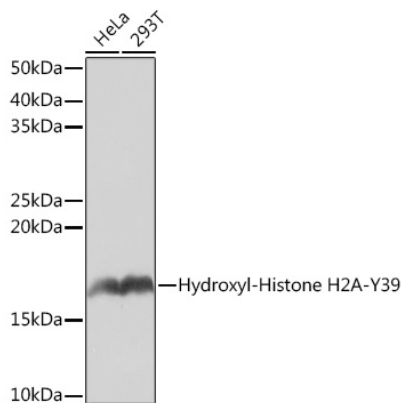
Affinity purification

**Storage**

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide, 0.05% BSA, 50% glycerol, pH7.3.

## Validation Data



Western blot analysis of various lysates using Hydroxyl-Histone H2A-Y39 Rabbit mAb (A4827) at 1:1000 dilution.

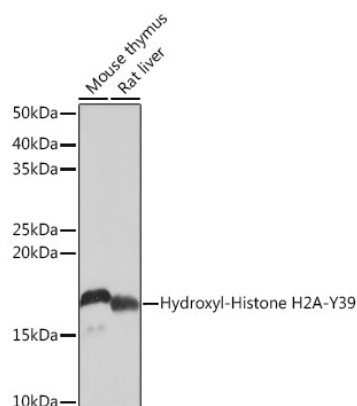
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 1s.



Western blot analysis of various lysates using Hydroxyl-Histone H2A-Y39 Rabbit mAb (A4827) at 1:1000 dilution.

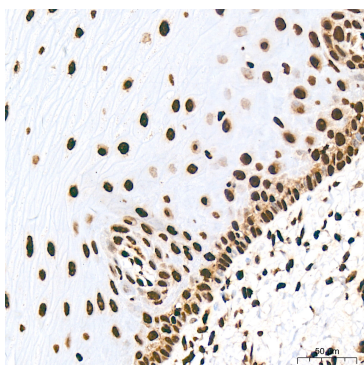
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

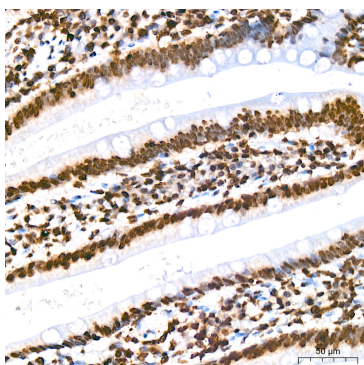
Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

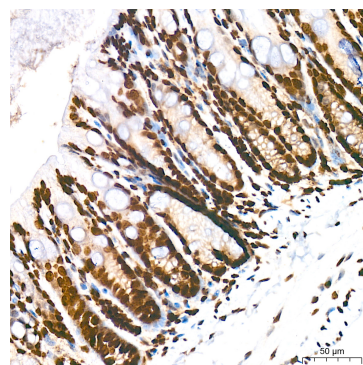
Exposure time: 10s.



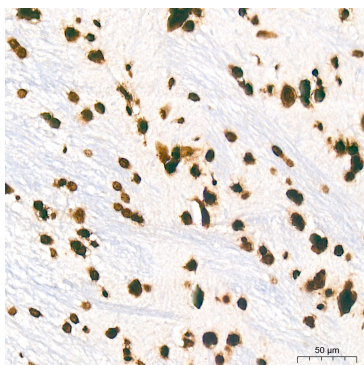
Immunohistochemistry analysis of paraffin-embedded Human esophagus tissue using Hydroxyl-Histone H2A-Y39 Rabbit mAb (A4827) at a dilution of 1:200 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



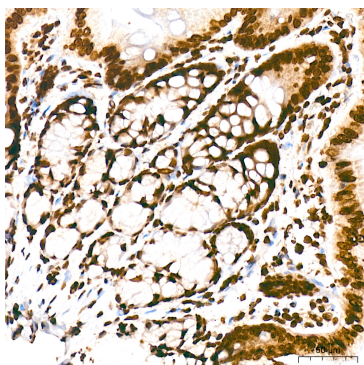
Immunohistochemistry analysis of paraffin-embedded Human small intestine tissue using Hydroxyl-Histone H2A-Y39 Rabbit mAb (A4827) at a dilution of 1:200 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Mouse colon tissue using Hydroxyl-Histone H2A-Y39 Rabbit mAb (A4827) at a dilution of 1:200 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Rat brain tissue using Hydroxyl-Histone H2A-Y39 Rabbit mAb (A4827) at a dilution of 1:200 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Rat colon tissue using Hydroxyl-Histone H2A-Y39 Rabbit mAb (A4827) at a dilution of 1:200 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.