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Hydroxyl-Histone H2A-Y39 Rabbit mAb

Catalog No.: A4827 Recombinant

Basic Information

Observed MW
17kDa

Calculated MW
14kDa

Category
Primary antibody

Applications
ELISA,WB,IHC-P

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

Immunogen Information

Gene ID
3012/8329

Swiss Prot
P04908/P0C0S8

Immunogen
A synthetic hydroxylated peptide around Y39 of human Histone H2A (P04908).

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

Contact

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Product Information

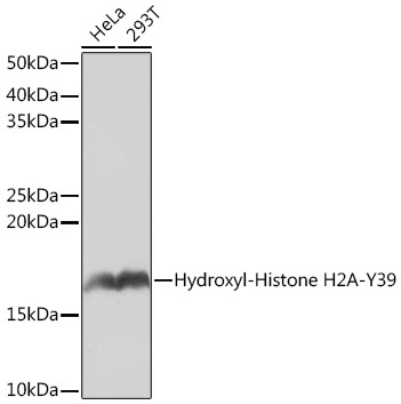
Source
Rabbit

Isotype
IgG

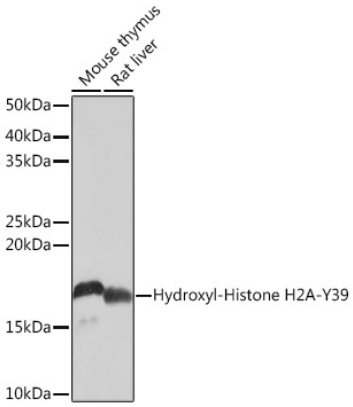
Purification
Affinity purification

Storage
Store at -20℃. Avoid freeze / thaw cycles.
Buffer: PBS with 0.02% sodium azide,0.05% BSA,50% glycerol,pH7.3.

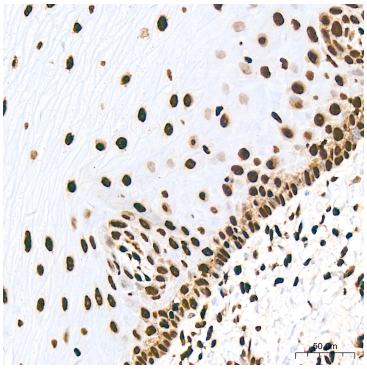
Validation Data



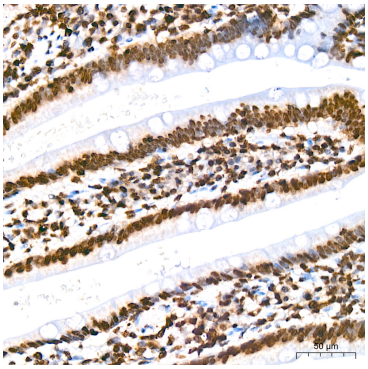
Western blot analysis of various lysates using Hydroxyl-Histone H2A-Y39 Rabbit mAb (A4827) at 1:1000 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 1s.



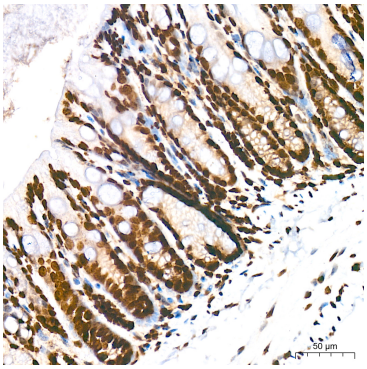
Western blot analysis of various lysates using Hydroxyl-Histone H2A-Y39 Rabbit mAb (A4827) at 1:1000 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 10s.



Immunohistochemistry analysis of Hydroxyl-Histone H2A-Y39 in 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.

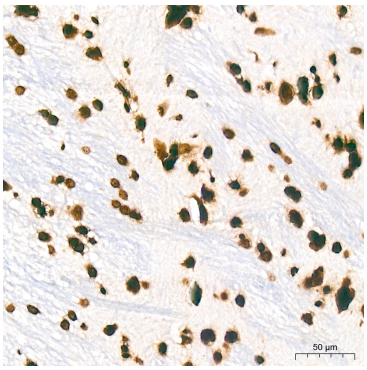


Immunohistochemistry analysis of Hydroxyl-Histone H2A-Y39 in paraffin-embedded human small intestine tissue using Hydroxyl-Histone H2A-Y39 Rabbit mAb (A4827) at a dilution of 1:200 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.

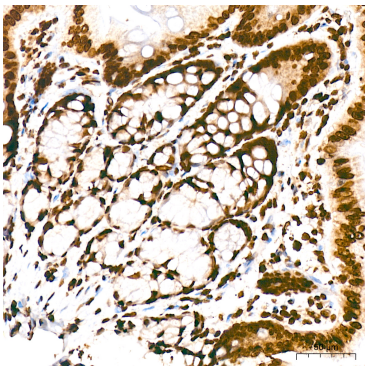


Immunohistochemistry analysis of Hydroxyl-Histone H2A-Y39 in paraffin-embedded mouse colon tissue using Hydroxyl-Histone H2A-Y39 Rabbit mAb (A4827) at a dilution of 1:200 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.

Validation Data



Immunohistochemistry analysis of Hydroxyl-Histone H2A-Y39 in 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 Hydroxyl-Histone H2A-Y39 in 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.