A11009

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Hydroxyl-Histone H2A-Y39 Rabbit mAb

Catalog No.: A11009 Recombinant

Basic Information

Observed MW
14kDa

Calculated MW
14kDa

Category
SMab Recombinant Monoclonal Antibody

Applications
WB,IHC-P,ELISA

Cross-Reactivity
Human,Mouse,Rat

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	1:500 - 1:1000

Immunogen Information

Gene ID
3012

Swiss Prot
P04908

Immunogen
A specific peptide of human Hydroxyl-Histone H2A-Y39

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

Contact

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Product Information

Source
Rabbit

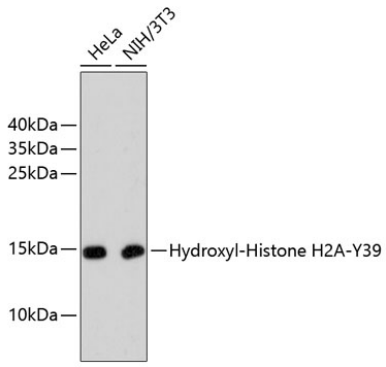
Isotype
IgG

Purification
Affinity purification

Storage
Store at -20℃. Avoid freeze / thaw cycles.

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

Validation Data



Western blot analysis of extracts of various cell lines, using Hydroxyl-Histone H2A-Y39 antibody (A11009).
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.