10320 Camino Santa Fe, Suite G
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Histone H2A (hydroxyl Y39) Antibody
Rabbit mAb
Catalog # AP90477

Specification

Histone H2A (hydroxyl Y39) Antibody - Product Information

Application	**WB, IHC**
Primary Accession	P04908
Reactivity	**Rat**
Clonality	**Monoclonal**

Other Names
H2A.1; H2A/c; H2A1; H2AFC; H2AFD; H2AFI; H2AFN; H2AFP; HIST1H2AG; HIST1H2AI; HIST1H2AK; HIST1H2AL; HIST1H2AM; histone cluster 1, H2ai; Histone H2A type 1; Histone H2A/p;

Isotype	**Rabbit IgG**
Host	**Rabbit**
Calculated MW	**14135 Da**

Histone H2A (hydroxyl Y39) Antibody - Additional Information

Dilution	**WB~~1:1000** **IHC~~1:100~500**
Purification	**Affinity-chromatography**
Immunogen	**A synthesized peptide derived from human Histone H2A (hydroxyl Y39)**
Description	**H2A.1 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.**
Storage Condition and Buffer	**Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.**

Histone H2A (hydroxyl Y39) 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.

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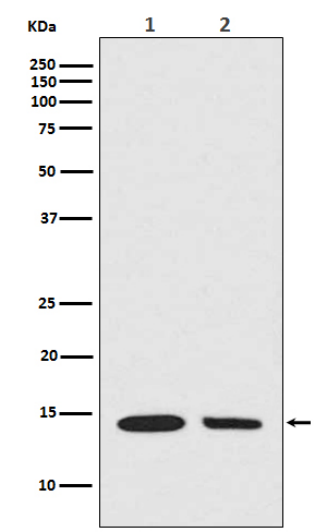
Cellular Location
Nucleus. Chromosome.

Histone H2A (hydroxyl Y39) 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 Cytomety
- Cell Culture

Histone H2A (hydroxyl Y39) Antibody - Images



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