Histone H2AX Rabbit mAb

Catalog No.: A11412 Recombinant 4 Publications



Basic Information

Observed MW

Refer to figures

Calculated MW

15kDa

Category

Primary antibody

Applications

IHC-P,ChIP,ELISA

Cross-Reactivity

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

CloneNo number

ARC0590

Background

Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. Two molecules of each of the four core histones (H2A, H2B, H3, and H4) form an octamer, around which approximately 146 bp of DNA is wrapped in repeating units, called nucleosomes. The linker histone, H1, interacts with linker DNA between nucleosomes and functions in the compaction of chromatin into higher order structures. This gene encodes a replication-independent histone that is a member of the histone H2A family, and generates two transcripts through the use of the conserved stemloop termination motif, and the polyA addition motif.

Recommended Dilutions

IHC-P 1:1000 - 1:4000

ChIP 5μg antibody for

5μg-10μg of Chromatin

ELISA Recommended starting

concentration is 1 µg/mL.

Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID Swiss Prot 3014 P16104

Immunogen

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

Synonyms

H2A.X; H2A/X; H2AFX; Histone H2AX

Contact

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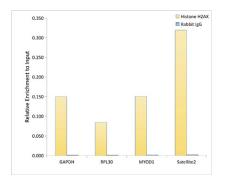
Product Information

SourceIsotypePurificationRabbitIgGAffinity purification

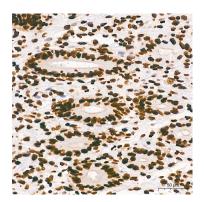
Storage

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

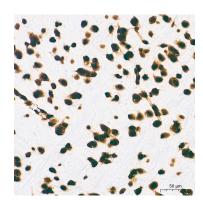
Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.



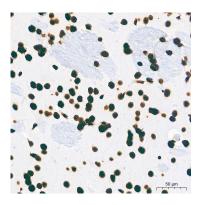
Chromatin immunoprecipitation analysis of extracts of HeLa cells, using Histone H2AX Rabbit mAb antibody (A11412) and rabbit IgG.The amount of immunoprecipitated DNA was checked by quantitative PCR. Histogram was constructed by the ratios of the immunoprecipitated DNA to the input.



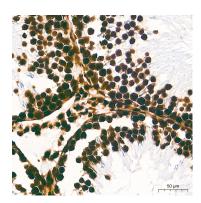
Immunohistochemistry analysis of paraffinembedded Human colon tissue using Histone H2AX Rabbit mAb (A11412) at a dilution of 1:4000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffinembedded Mouse brain tissue using Histone H2AX Rabbit mAb (A11412) at a dilution of 1:4000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffinembedded Rat brain tissue using Histone H2AX Rabbit mAb (A11412) at a dilution of 1:4000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffinembedded Rat testis tissue using Histone H2AX Rabbit mAb (A11412) at a dilution of 1:4000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.