

Formyl-Histone H2B-K120 Rabbit mAb

Catalog No.: A0065 **Recombinant**

Basic Information

Observed MW

15kDa

Calculated MW

14kDa

Category

Primary antibody

Applications

ELISA, WB, IHC-P

Cross-Reactivity

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

CloneNo number

ARC2493

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-dependent histone that is a member of the histone H2B family, and generates two transcripts through the use of the conserved stem-loop termination motif, and the polyA addition motif. The protein has antibacterial and antifungal antimicrobial activity.

Recommended Dilutions

WB	1:500 - 1:1000
IHC-P	1:1000 - 1:5000

Immunogen Information

Gene ID

3017/8349

Swiss Prot

P62807/Q16778

Immunogen

A synthesized peptide derived from human Histone H2B (formyl K120).

Synonyms

H2B; H2BE; H2BQ; GL105; H2B.1; H2BFQ; H2BGL105; H2B-GL105; HIST2H2BE; Formyl-Histone H2B-K120

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

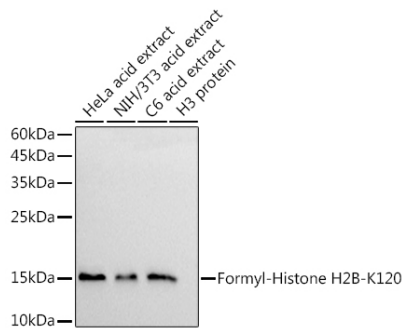
Affinity purification

Storage

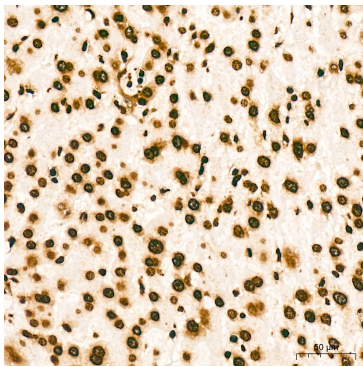
Store at -20°C. Avoid freeze / thaw cycles.

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

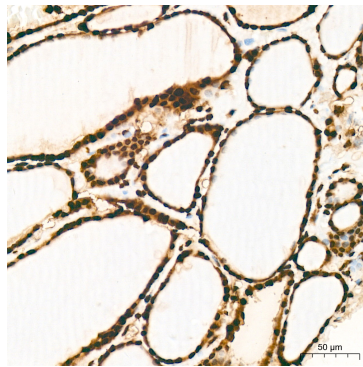
Validation Data



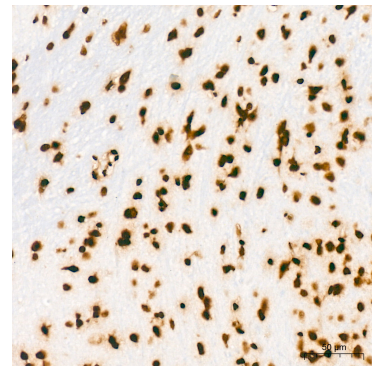
Western blot analysis of various lysates using (A0065) at 1:1000 dilution.
 Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
 Lysates/proteins: 25µg per lane.
 Blocking buffer: 3% nonfat dry milk in TBST.
 Detection: ECL Basic Kit (RM00020).
 Exposure time: 30s.



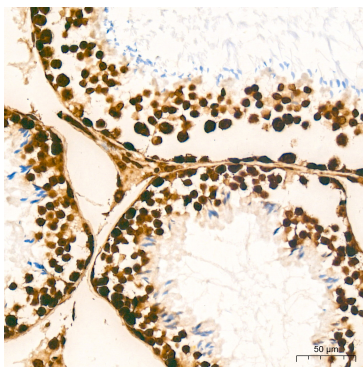
Immunohistochemistry analysis of Formyl-Histone H2B-K120 in paraffin-embedded human liver tissue using Formyl-Histone H2B-K120 Rabbit mAb (A0065) at a dilution of 1:2000 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



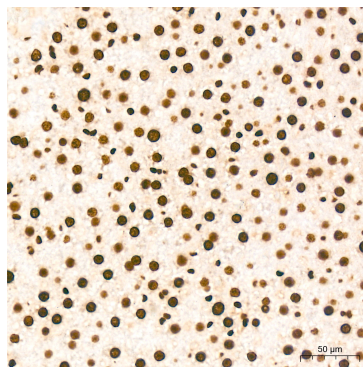
Immunohistochemistry analysis of Formyl-Histone H2B-K120 in paraffin-embedded human thyroid tissue using Formyl-Histone H2B-K120 Rabbit mAb (A0065) at a dilution of 1:2000 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



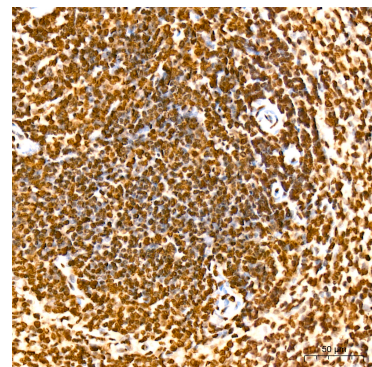
Immunohistochemistry analysis of Formyl-Histone H2B-K120 in paraffin-embedded mouse brain tissue using Formyl-Histone H2B-K120 Rabbit mAb (A0065) at a dilution of 1:2000 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of Formyl-Histone H2B-K120 in paraffin-embedded mouse testis tissue using Formyl-Histone H2B-K120 Rabbit mAb (A0065) at a dilution of 1:2000 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.

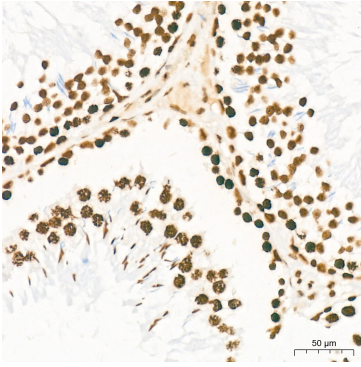


Immunohistochemistry analysis of Formyl-Histone H2B-K120 in paraffin-embedded rat liver tissue using Formyl-Histone H2B-K120 Rabbit mAb (A0065) at a dilution of 1:2000 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of Formyl-Histone H2B-K120 in paraffin-embedded rat spleen tissue using Formyl-Histone H2B-K120 Rabbit mAb (A0065) at a dilution of 1:2000 (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 Formyl-Histone H2B-K120 in paraffin-embedded rat testis tissue using Formyl-Histone H2B-K120 Rabbit mAb (A0065) at a dilution of 1:2000 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.