Leader in Biomolecular Solutions for Life Science

Formyl-Histone H2B-K120 Rabbit mAb

Catalog No.: A0065

Recombinant

www.abclonal.com

Basic Information

Observed MW
14kDa

Calculated MW
14kDa

Category
Monoclonal Antibodies

Applications
WB, IHC-P, DB, ELISA

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

Clone No.
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
DB	1:1000 - 1:2000

ELISA
Recommended starting concentration is 1 μg/mL. Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID
3017/8349

Swiss-Prot
P62807/Q16778

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

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

Contact

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Product Information

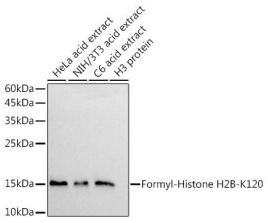
Source
Rabbit

Isotype
IgG

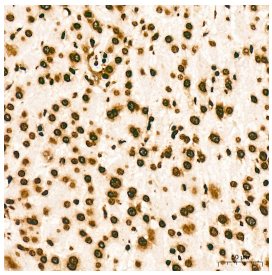
Purity
Affinity purification

Storage
Store at -20℃

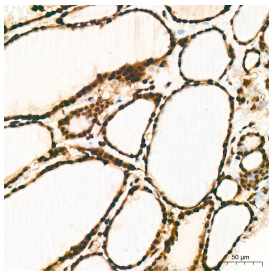
Validation Data



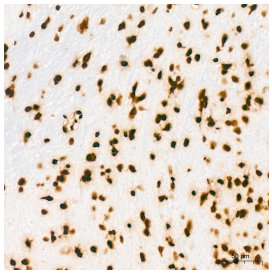
Western blot analysis of various lysates using Formyl-Histone H2B-K120 Rabbit mAb (A0065) at 1:1000 dilution incubated overnight at 4℃.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1: 10000 dilution.
Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 30 s.



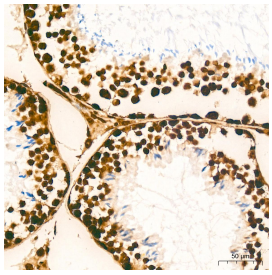
Immunohistochemistry analysis of paraffin-embedded Human liver tissue using Formyl-Histone H2B-K120 Rabbit mAb (A0065) at a dilution of 1:2000 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



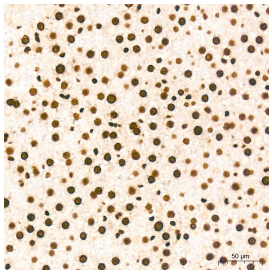
Immunohistochemistry analysis of paraffin-embedded Human thyroid tissue using Formyl-Histone H2B-K120 Rabbit mAb (A0065) at a dilution of 1:2000 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



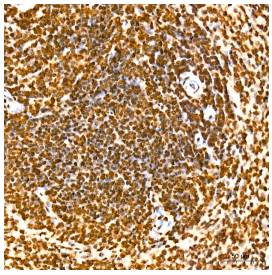
Immunohistochemistry analysis of paraffin-embedded Mouse brain tissue using Formyl-Histone H2B-K120 Rabbit mAb (A0065) at a dilution of 1:2000 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



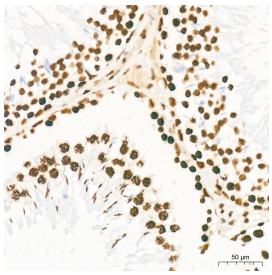
Immunohistochemistry analysis of paraffin-embedded Mouse testis tissue using Formyl-Histone H2B-K120 Rabbit mAb (A0065) at a dilution of 1:2000 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



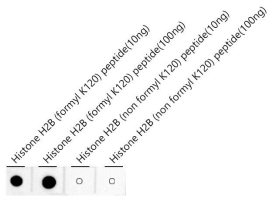
Immunohistochemistry analysis of paraffin-embedded Rat liver tissue using Formyl-Histone H2B-K120 Rabbit mAb (A0065) at a dilution of 1:2000 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of 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.



Immunohistochemistry analysis of 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.



Dot-blot analysis of all sorts of peptides using Formyl-Histone H2B-K120 Rabbit mAb(A0065) at 1:1000 dilution.