# Formyl-Histone H2B-K120 Rabbit mAb

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Catalog No.: A0065 Recombinant

## **Basic Information**

#### **Observed MW**

14kDa

#### **Calculated MW**

14kDa

#### Category

Primary antibody

## **Applications**

WB,IHC-P,ELISA

#### **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 stemloop termination motif, and the polyA addition motif. The protein has antibacterial and antifungal antimicrobial activity.

## **Recommended Dilutions**

**WB** 1:500 - 1:1000

1:1000 - 1:5000 **IHC-P** 

**ELISA** Recommended starting concentration is 1 µg/mL.

Please optimize the concentration based on your specific assay requirements.

# **Immunogen Information**

**Gene ID Swiss Prot** 3017/8349 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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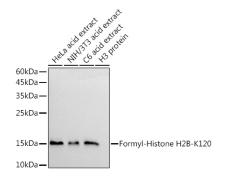
## **Product Information**

Source Isotype **Purification** Rabbit Affinity purification IgG

#### 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.



Western blot analysis of various lysates using (A0065) at 1:1000 dilution.

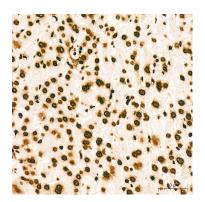
Secondary antibody: HRP-conjugated Goat anti-Rabbit lgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

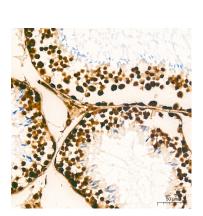
Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

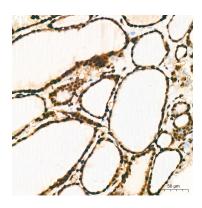
Exposure time: 30s.



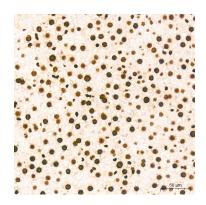
Immunohistochemistry analysis of paraffinembedded Human liver tissue using Formyl-Histone H2B-K120 Rabbit mAb (A0065) at a dilution of 1:2000 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



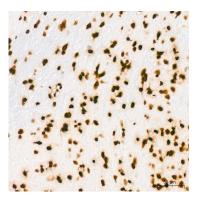
Immunohistochemistry analysis of paraffinembedded Mouse testis tissue using Formyl-Histone H2B-K120 Rabbit mAb (A0065) at a dilution of 1:2000 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



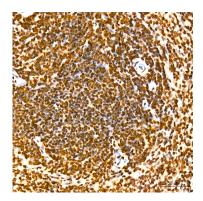
Immunohistochemistry analysis of paraffinembedded Human thyroid tissue using Formyl-Histone H2B-K120 Rabbit mAb (A0065) at a dilution of 1:2000 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffinembedded 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 paraffinembedded 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 paraffinembedded 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 paraffinembedded 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.