

MonoMethyl-Histone H3-K9 Rabbit mAb

Catalog No.: A20734 **Recombinant**

Basic Information

Observed MW

17 kDa

Calculated MW

16 kDa

Category

Primary antibody

Applications

WB,DB,IHC-P,IF/ICC,ChIP,ELISA

Cross-Reactivity

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

CloneNo number

ARC2677

Background

Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. This structure consists of approximately 146 bp of DNA wrapped around a nucleosome, an octamer composed of pairs of each of the four core histones (H2A, H2B, H3, and H4). The chromatin fiber is further compacted through the interaction of a linker histone, H1, with the DNA between the nucleosomes to form higher order chromatin structures. This gene is intronless and encodes a replication-dependent histone that is a member of the histone H3 family. Transcripts from this gene lack polyA tails; instead, they contain a palindromic termination element. This gene is found in the large histone gene cluster on chromosome 6p22-p21.3.

Recommended Dilutions

WB 1:500 - 1:1000**DB** 1:500 - 1:1000**IHC-P** 1:500 - 1:1000**IF/ICC** 1:50 - 1:200**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.

Contact

 | 400-999-6126 | cn.market@abclonal.com.cn

Immunogen Information

Gene ID

8290/8350

Swiss Prot

Q16695/P68431

Immunogen

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

SynonymsH3/A; H3C2; H3C3; H3C4; H3C6; H3C7; H3C8; H3FA; H3C10; H3C11; H3C12; HIST1H3A;
MonoMethyl-Histone H3-K9

Product Information

Source

Rabbit

Isotype

IgG

Purification

Affinity purification

Storage

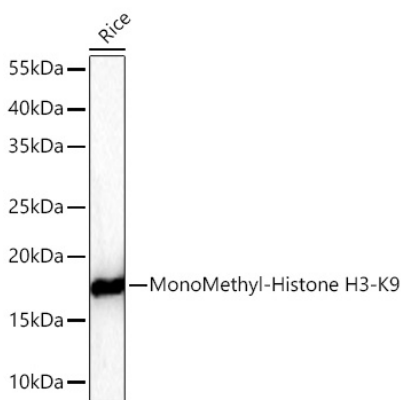
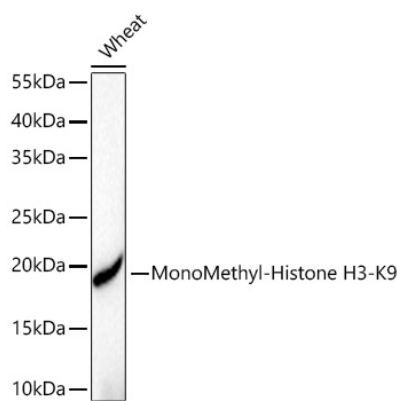
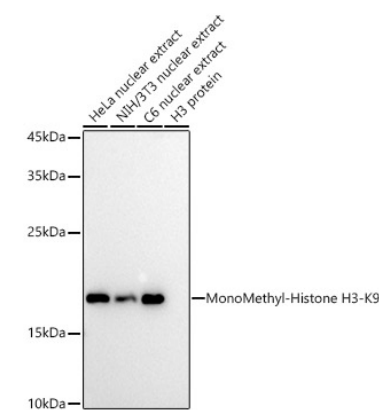
Store at -20°C. Avoid freeze / thaw cycles.

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.

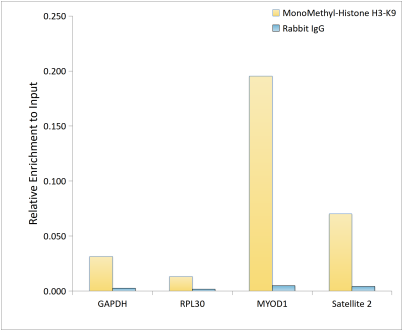


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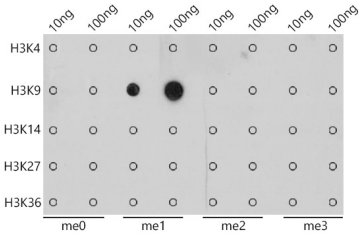
Validation Data



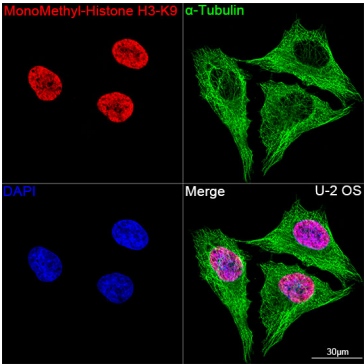
Validation Data



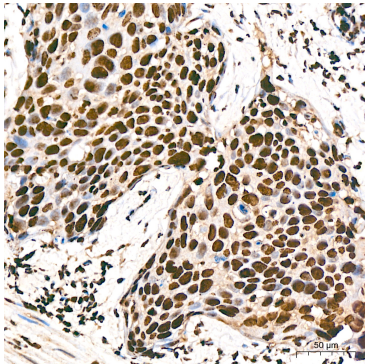
Chromatin immunoprecipitation analysis of extracts from HeLa cells, using MonoMethyl-Histone H3-K9 antibody (A20734) and rabbit IgG. The amount of immunoprecipitated DNA was checked by quantitative PCR. Histogram was constructed by the ratios of the immunoprecipitated DNA to the input.



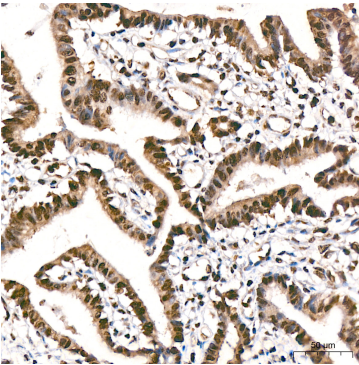
Dot-blot analysis of all sorts of peptides using MonoMethyl-Histone H3-K9 antibody (A20734) at 1:1000 dilution.



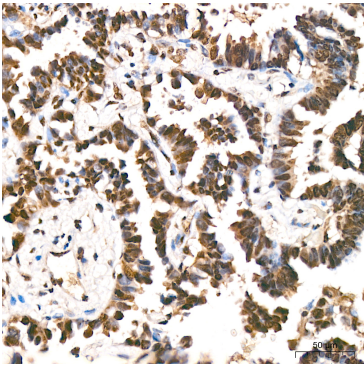
Confocal imaging of U-2 OS cells using MonoMethyl-Histone H3-K9 Rabbit mAb (A20734, dilution 1:100) (Red). The cells were counterstained with α -Tubulin Mouse mAb (AC012, dilution 1:400) (Green). DAPI was used for nuclear staining (blue). Objective: 100x.



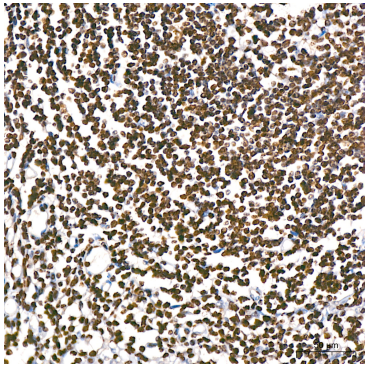
Immunohistochemistry analysis of paraffin-embedded Human cervix cancer tissue using MonoMethyl-Histone H3-K9 Rabbit mAb (A20734) at a dilution of 1:800 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Human colon carcinoma tissue using MonoMethyl-Histone H3-K9 Rabbit mAb (A20734) at a dilution of 1:800 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.

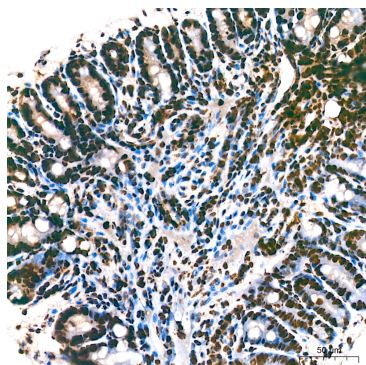


Immunohistochemistry analysis of paraffin-embedded Human lung adenocarcinoma tissue using MonoMethyl-Histone H3-K9 Rabbit mAb (A20734) at a dilution of 1:800 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.

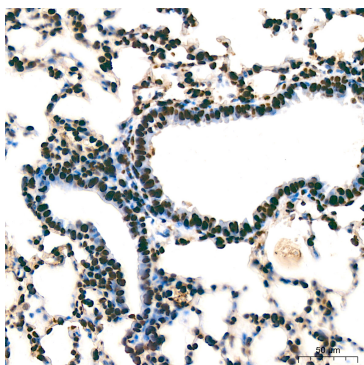


Immunohistochemistry analysis of paraffin-embedded Human tonsil tissue using MonoMethyl-Histone H3-K9 Rabbit mAb (A20734) at a dilution of 1:800 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.

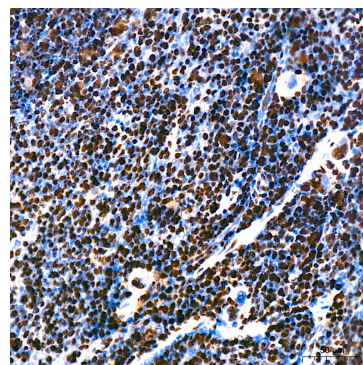
Validation Data



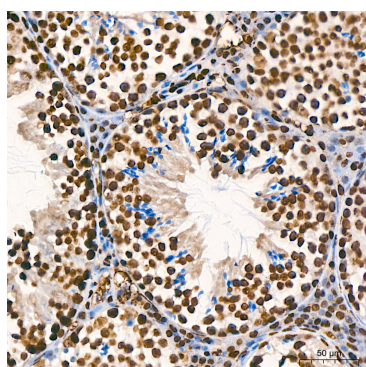
Immunohistochemistry analysis of paraffin-embedded Mouse colon tissue using MonoMethyl-Histone H3-K9 Rabbit mAb (A20734) at a dilution of 1:800 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



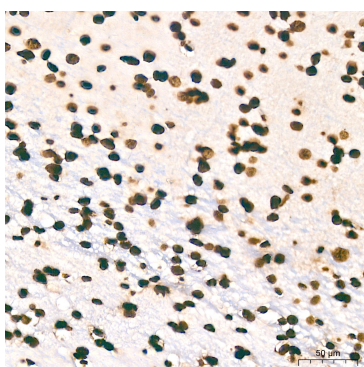
Immunohistochemistry analysis of paraffin-embedded Mouse lung tissue using MonoMethyl-Histone H3-K9 Rabbit mAb (A20734) at a dilution of 1:800 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Mouse spleen tissue using MonoMethyl-Histone H3-K9 Rabbit mAb (A20734) at a dilution of 1:800 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



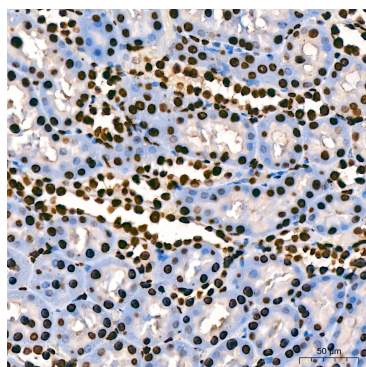
Immunohistochemistry analysis of paraffin-embedded Mouse testis tissue using MonoMethyl-Histone H3-K9 Rabbit mAb (A20734) at a dilution of 1:800 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



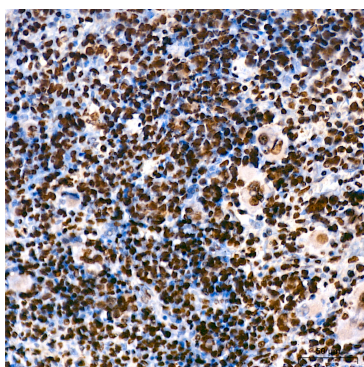
Immunohistochemistry analysis of paraffin-embedded Rat brain tissue using MonoMethyl-Histone H3-K9 Rabbit mAb (A20734) at a dilution of 1:800 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Rat colon tissue using MonoMethyl-Histone H3-K9 Rabbit mAb (A20734) at a dilution of 1:800 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Rat kidney tissue using MonoMethyl-Histone H3-K9 Rabbit mAb (A20734) at a dilution of 1:800 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Rat spleen tissue using MonoMethyl-Histone H3-K9 Rabbit mAb (A20734) at a dilution of 1:800 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.