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Acetyl-Histone H2B-K5 Rabbit pAb

Catalog No.: A15621 1 Publications

Basic Information

Observed MW
16kDa

Calculated MW

Category
Primary antibody

Applications
WB,IHC-P,IF/ICC,ELISA

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

Background

Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. Nucleosomes consist of approximately 146 bp of DNA wrapped around a histone 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 H2B family. Two transcripts that encode the same protein have been identified for this gene, which is found in the large histone gene cluster on chromosome 6p22-p21.3.

Recommended Dilutions

WB	1:500 - 1:2000
IHC-P	1:50 - 1:200
IF/ICC	1:50 - 1:200
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

Contact

400-999-6126

cn.market@abclonal.com.cn

www.abclonal.com.cn

Product Information

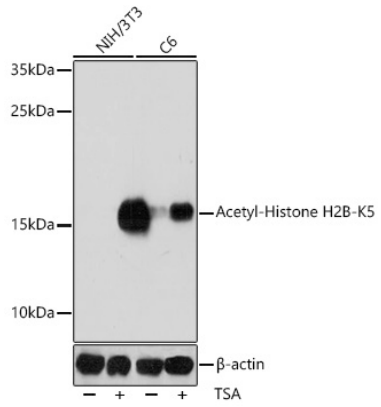
Source
Rabbit

Isotype
IgG

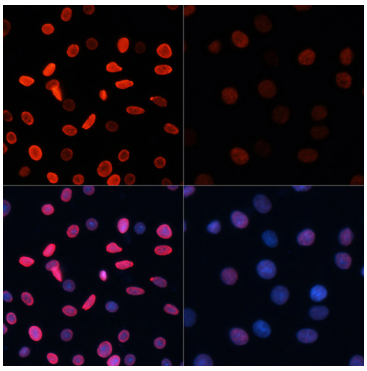
Purification
Affinity purification

Storage
Store at -20℃. Avoid freeze / thaw cycles.
Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.

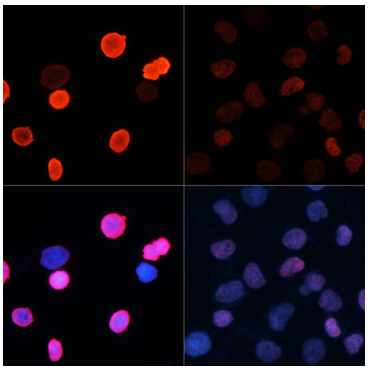
Validation Data



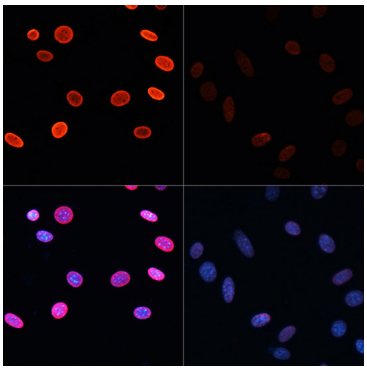
Western blot analysis of various lysates using Acetyl-Histone H2B-K5 Rabbit pAb (A15621) at 1:1000 dilution. NIH/3T3 cells were treated with TSA (1 uM) at 37℃ for 18 hours. C6 cells were treated with TSA (1 uM) at 37℃ for 18 hours
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% BSA.
Detection: ECL Basic Kit (RM00020).
Exposure time: 60s.



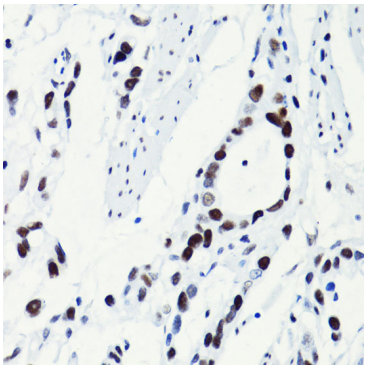
Immunofluorescence analysis of C6 cells using Acetyl-Histone H2B-K5 Rabbit pAb (A15621) at dilution of 1:100.C6 cells were treated with TSA (1 uM) at 37℃ for 18 hours. Blue: DAPI for nuclear staining.



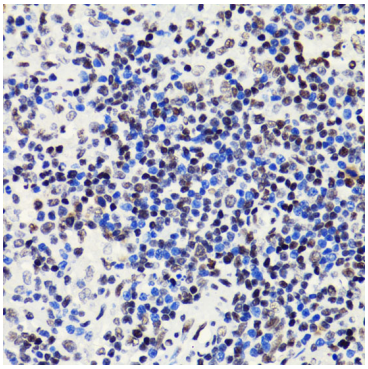
Immunofluorescence analysis of HeLa cells using Acetyl-Histone H2B-K5 Rabbit pAb (A15621) at dilution of 1:100.HeLa cells were treated with TSA (1 uM) at 37℃ for 18 hours. Blue: DAPI for nuclear staining.



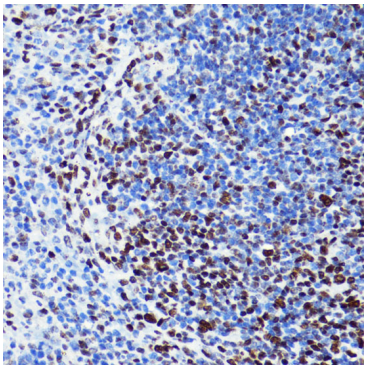
Immunofluorescence analysis of NIH/3T3 cells using Acetyl-Histone H2B-K5 Rabbit pAb (A15621) at dilution of 1:100.NIH/3T3 cells were treated with TSA (1 uM) at 37℃ for 18 hours. Blue: DAPI for nuclear staining.



Immunohistochemistry analysis of paraffin-embedded Human gastric cancer using Acetyl-Histone H2B-K5 Rabbit pAb (A15621) at dilution of 1:100 (40x lens). Microwave antigen retrieval performed with 0.01M PBS Buffer (pH 7.2) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Rat spleen using Acetyl-Histone H2B-K5 Rabbit pAb (A15621) at dilution of 1:100 (40x lens). Microwave antigen retrieval performed with 0.01M PBS Buffer (pH 7.2) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Mouse spleen using Acetyl-Histone H2B-K5 Rabbit pAb (A15621) at dilution of 1:100 (40x lens). Microwave antigen retrieval performed with 0.01M PBS Buffer (pH 7.2) prior to IHC staining.