

Acetyl-Histone H2B-K15 Rabbit pAb

Catalog No.: A15622

Basic Information

Observed MW

15kDa

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 - 1:100
ELISA	Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

Contact

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Immunogen Information

Gene ID

3017/8349

Swiss Prot

P62807/Q16778

Immunogen

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

Synonyms

Product Information

Source

Rabbit

Isotype

IgG

Purification

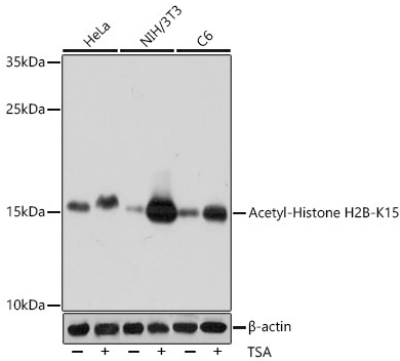
Affinity purification

Storage

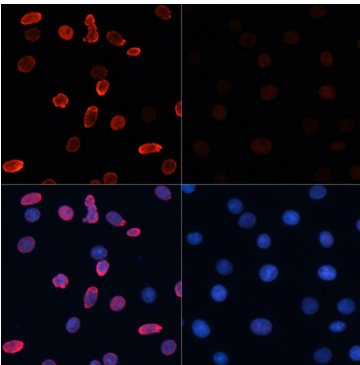
Store at -20°C. Avoid freeze / thaw cycles.

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

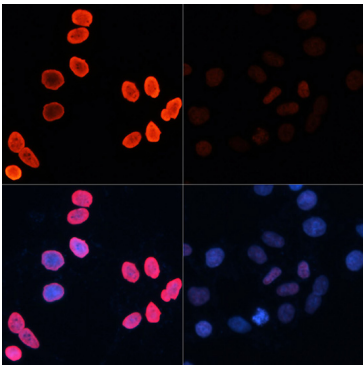
Validation Data



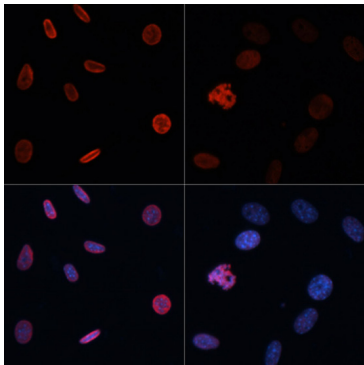
Western blot analysis of various lysates using Acetyl-Histone H2B-K15 Rabbit pAb (A15622) at 1:1000 dilution. HeLa cells were treated with TSA (1 uM) at 37°C for 18 hours. NIH/3T3 cells were treated with TSA (1 uM) at 37°C for 18 hours. C6 cells were treated with TSA (1 uM) at 37°C for 18 hours. Secondary 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: 10s.



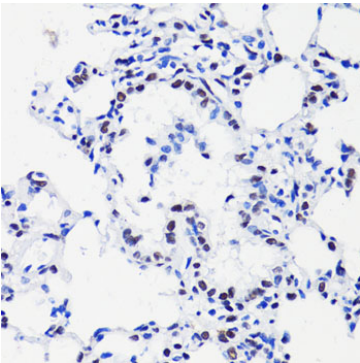
Immunofluorescence analysis of C6 cells using Acetyl-Histone H2B-K15 Rabbit pAb (A15622) at dilution of 1:100. C6 cells were treated with TSA (1 uM) at 37°C for 18 hours. Blue: DAPI for nuclear staining.



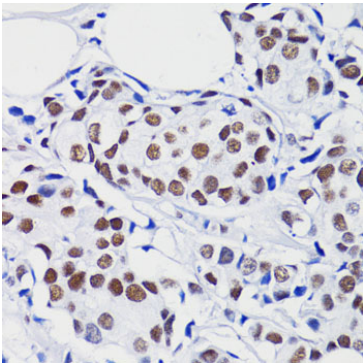
Immunofluorescence analysis of HeLa cells using Acetyl-Histone H2B-K15 Rabbit pAb (A15622) at dilution of 1:100. HeLa cells were treated with TSA (1 uM) at 37°C for 18 hours. Blue: DAPI for nuclear staining.



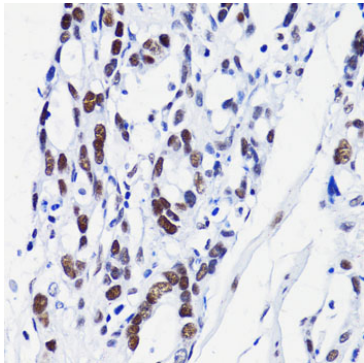
Immunofluorescence analysis of NIH/3T3 cells using Acetyl-Histone H2B-K15 Rabbit pAb (A15622) at dilution of 1:100. NIH/3T3 cells were treated with TSA (1 uM) at 37°C for 18 hours. Blue: DAPI for nuclear staining.



Immunohistochemistry analysis of paraffin-embedded Rat lung using Acetyl-Histone H2B-K15 Rabbit pAb (A15622) at dilution of 1:100 (40x lens). Microwave antigen retrieval performed with 0.01M PBS Buffer (pH 7.2) prior to IHC staining.

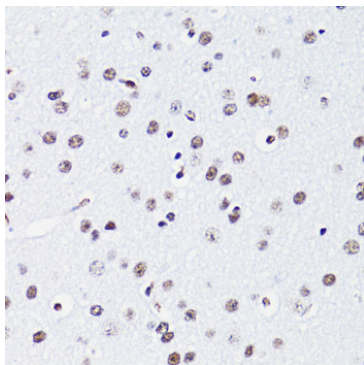


Immunohistochemistry analysis of paraffin-embedded Human breast cancer using Acetyl-Histone H2B-K15 Rabbit pAb (A15622) at dilution of 1:100 (40x lens). Microwave antigen retrieval performed with 0.01M PBS Buffer (pH 7.2) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Human gastric cancer using Acetyl-Histone H2B-K15 Rabbit pAb (A15622) at dilution of 1:100 (40x lens). Microwave antigen retrieval performed with 0.01M PBS Buffer (pH 7.2) prior to IHC staining.

Validation Data



Immunohistochemistry analysis of paraffin-embedded Mouse brain using Acetyl-Histone H2B-K15 Rabbit pAb (A15622) at dilution of 1:100 (40x lens). Microwave antigen retrieval performed with 0.01M PBS Buffer (pH 7.2) prior to IHC staining.