

Acetyl-Histone H3-K9 Antibody

CAB7255

Description

This Acetyl-Histone H3-K9 Antibody is supplied as a kit for advanced applications. The kit includes Bradford Reagent to quantify total protein concentration for accurate sample normalization (Optional).

Product Information

SKU: CAB7255
Contents: 20 µL, 100 µL
Bradford Reagent: 1 vial (2ml)
Category: Polyclonal Antibody
Synonyms: H3t, H3.4, H3/g, H3FT, H3C16, HIST3H3, Acetyl-Histone H3-K9
Clone: -
Applications: **WB** | **IHC-P** | **IF/ICC** | **IP** | **ChIP** | **ChIP-seq** | **ELISA**
Conjugation: Unconjugated
Reactivity: Human, Mouse, Rat, Other (Wide Range Predicted)

Antibody Data

Gene ID: 8290 8350
Uniprot: AB_2737400
Host Species: Rabbit
Purification: Affinity purification
Observed MW: 17 kDa
Calculated MW: 15 kDa

Preparation & Storage

Storage: Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS containing 50% glycerol, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH7.3.

Store Bradford Reagent at Room Temperature for 1 Year.

Positive Sample: HeLa treated with TSA, NIH/3T3 treated with TSA, C6 treated with TSA

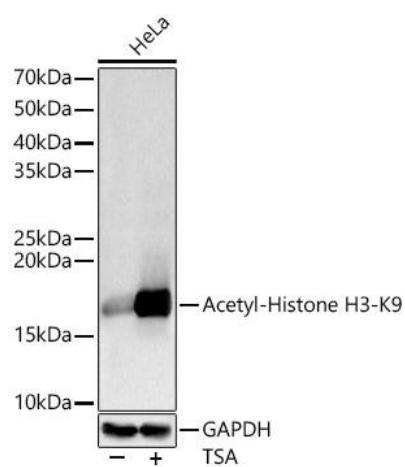
Recommended Dilutions:

WB	1:500 - 1:1000
IHC-P	1:50 - 1:200
IF/ICC	1:50 - 1:200
IP	0.5ug-4ug antibody for 200ug-400ug extracts of whole cells
ELISA	Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements. ChIP 5µg antibody for 5µg-10µg of Chromatin ChIP-seq 1:20 - 1:50

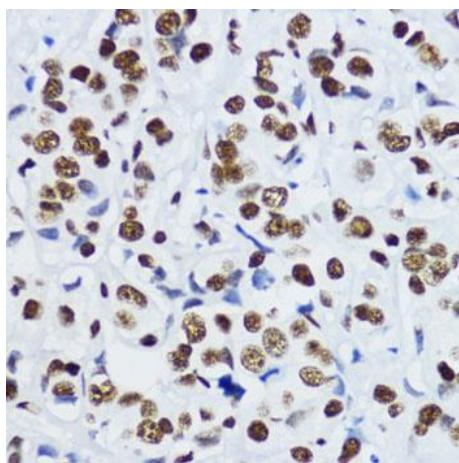
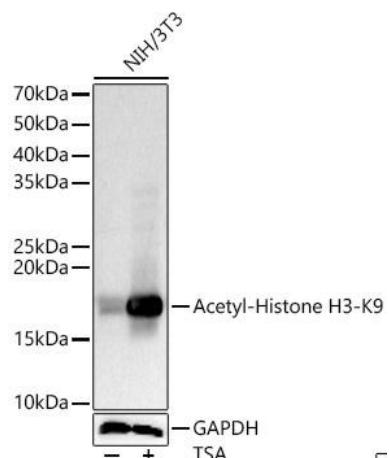
Protein Quantification (Optional):

To quantify total protein levels, use the Bradford Reagent included in this kit. Visit <https://www.assaygenie.com/bradford-protein-assay-protocol/> to view the full protocol

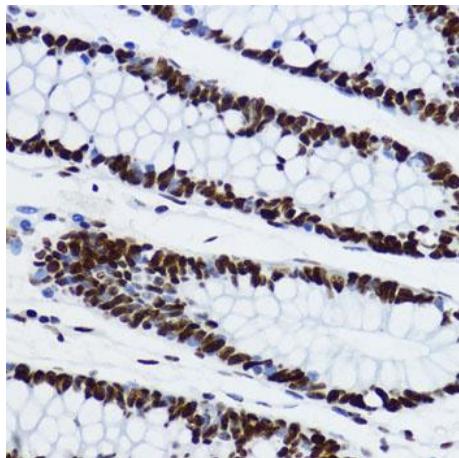
Validation Data



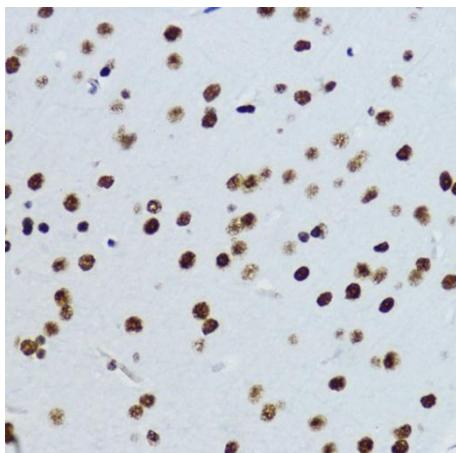
Western blot analysis of lysates from HeLa cells, using Acetyl-Histone - Rabbit pAb (CAB7255) at 1:1000 dilution. HeLa cells were treated with TSA (1 uM) at 37°C for 18 hours. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (AbGn00020). Exposure time: 10s.



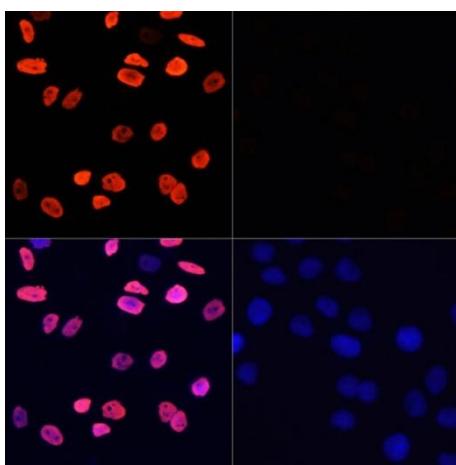
Immunohistochemistry analysis of paraffin-embedded Human mammary cancer using Acetyl-Histone - Rabbit pAb (CAB7255) at dilution of 1:200 (40x lens). Microwave antigen retrieval performed with 0.01M PBS Buffer (pH 7.2) prior to IHC staining.



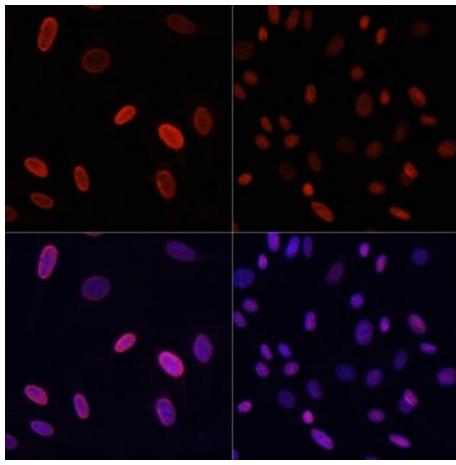
Immunohistochemistry analysis of paraffin-embedded Human colon using Acetyl-Histone - Rabbit pAb (CAB7255) at dilution of 1:200 (40x lens). Microwave antigen retrieval performed with 0.01M PBS Buffer (pH 7.2) prior to IHC staining.



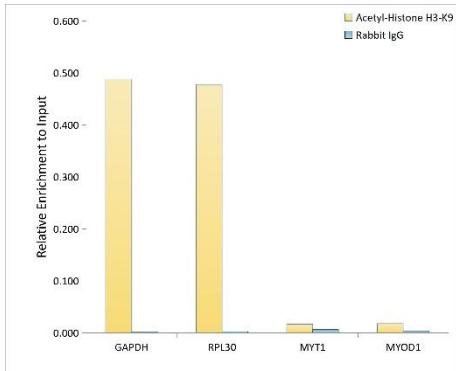
Immunohistochemistry analysis of paraffin-embedded Mouse brain using Acetyl-Histone - Rabbit pAb (CAB7255) at dilution of 1:200 (40x lens). Microwave antigen retrieval performed with 0.01M PBS Buffer (pH 7.2) prior to IHC staining.



Immunofluorescence analysis of HeLa cells using Acetyl-Histone - Rabbit pAb (CAB7255) at dilution of 1:100 (40x lens). HeLa cells were treated with TSA (1 μ M) at 37°C for 18 hours (left). Blue: DAPI for nuclear staining.



Chromatin immunoprecipitation analysis of extracts of HeLa cells, using Acetyl-Histone - antibody (CAB7255) 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.



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