

## Acetyl-Histone H3-K18 Antibody

CAB7257

### Description

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This Acetyl-Histone H3-K18 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

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<b>SKU:</b>	CAB7257
<b>Contents:</b>	20 µL, 100 µL Bradford Reagent: 1 vial (2ml)
<b>Category:</b>	Polyclonal Antibody
<b>Synonyms:</b>	H3/j, H3C1, H3C2, H3C3, H3C4, H3C6, H3C7, H3C8, H3F1, H3C10, H3C11, HIST1H3J, Acetyl-Histone H3-K18
<b>Clone:</b>	-
<b>Applications:</b>	<b>WB</b> <b>IHC-P</b> <b>IF/ICC</b> <b>ChIP</b> <b>ELISA</b> <b>DB</b>
<b>Conjugation:</b>	Unconjugated
<b>Reactivity:</b>	Human, Mouse, Rat, Other (Wide Range Predicted)

### Antibody Data

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<b>Gene ID:</b>	8290 8350
<b>Uniprot:</b>	AB_2767801
<b>Host Species:</b>	Rabbit
<b>Purification:</b>	Affinity purification
<b>Observed MW:</b>	17kDa
<b>Calculated MW:</b>	15kDa

## 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), pH 7.3.

Store Bradford Reagent at Room Temperature for 1 Year.

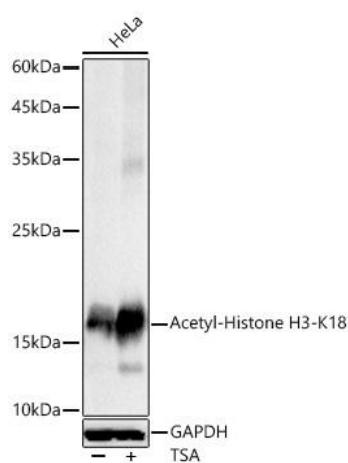
**Positive Sample:** HeLa treated with TSA

**Recommended Dilutions:**

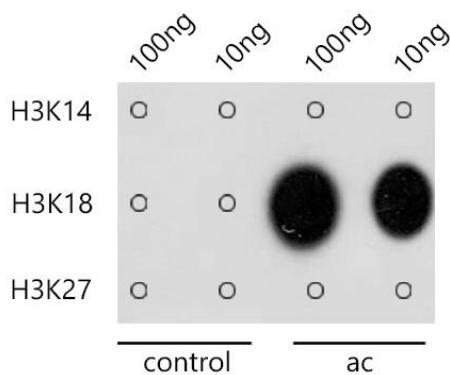
<b>WB</b>	1:500 - 1:1000
<b>DB</b>	1:500 - 1:1000
<b>IHC-P</b>	1:50 - 1:200
<b>IF/ICC</b>	1:50 - 1:200
<b>ELISA</b>	Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements. ChIP 5µg antibody for 5µg-10µg of Chromatin

**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

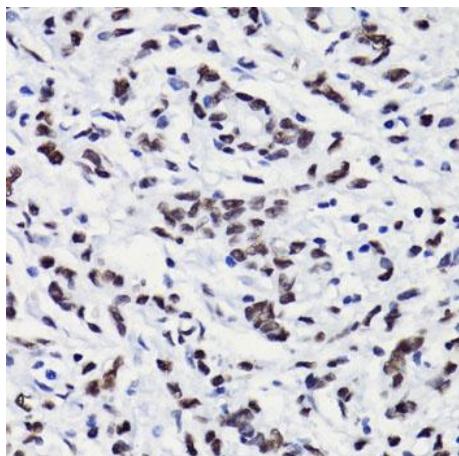
## Validation Data



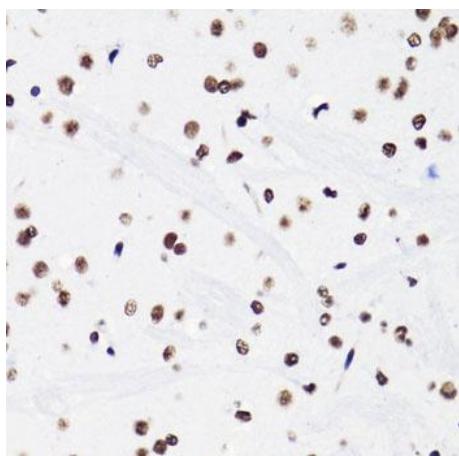
Western blot analysis of lysates from HeLa cells using Acetyl-Histone - Rabbit pAb (CAB7257) at 1:1000 dilution. HeLa cells were treated with TSA (1 uM) at 37°C for 18 hours. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (AbGn00020). Exposure time: 0.5s.



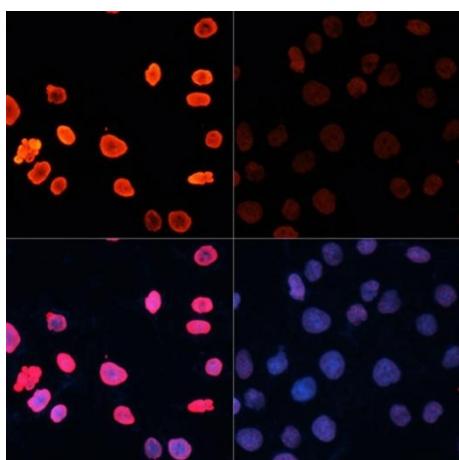
Dot-blot analysis of all sorts of methylation peptides using Acetyl-Histone - antibody (CAB7257) at 1:1000 dilution.



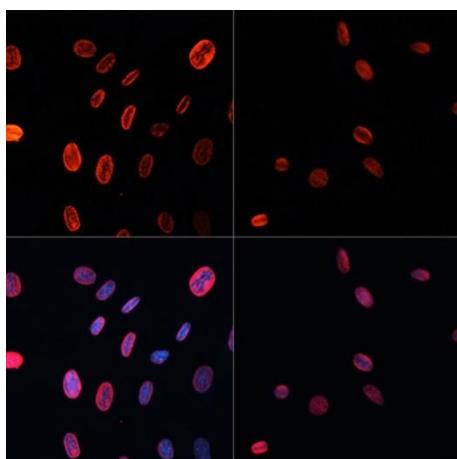
Immunohistochemistry analysis of paraffin-embedded Human gastric cancer using Acetyl-Histone - Rabbit pAb (CAB7257) at dilution of 1:100 (40x lens). Microwave antigen retrieval performed with 0.01M PBS Buffer (pH 7.2) prior to IHC staining.



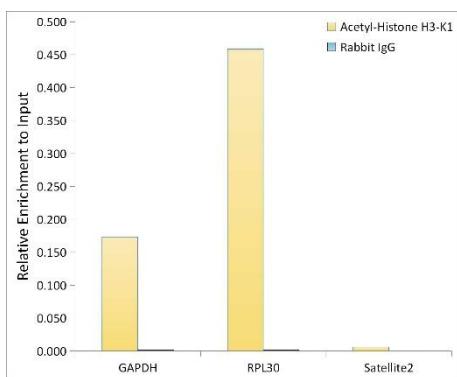
Immunohistochemistry analysis of paraffin-embedded Mouse brain using Acetyl-Histone - Rabbit pAb (CAB7257) at dilution of 1:100 (40x lens). Microwave antigen retrieval performed with 0.01M PBS Buffer (pH 7.2) prior to IHC staining.



Immunofluorescence analysis of HeLa cells using Acetyl-Histone - Rabbit pAb (CAB7257) 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 - Rabbit pAb (CAB7257) 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.



Chromatin immunoprecipitation analysis of extracts of cells, using Acetyl-Histone - Rabbit pAb yantibody (CAB7257) 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.