

## Acetyl-Histone H4-K12 Antibody

CAB14227

### Description

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This Acetyl-Histone H4-K12 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>	CAB14227
<b>Contents:</b>	20 $\mu$ L, 100 $\mu$ L Bradford Reagent: 1 vial (2ml)
<b>Category:</b>	Polyclonal Antibody
<b>Synonyms:</b>	H4/I, H4C1, H4C3, H4C4, H4C5, H4C6, H4C8, H4C9, H4FI, H4-16, H4C11, H4C12, H4C13, H4C14, H4C15, H4C16, HIST1H4B, Acetyl-Histone H4-K12
<b>Clone:</b>	-
<b>Applications:</b>	<span>WB</span> <span>IHC-P</span> <span>IF/ICC</span> <span>ELISA</span>
<b>Conjugation:</b>	Unconjugated
<b>Reactivity:</b>	Human, Mouse, Rat, Other (Wide Range Predicted)

### Antibody Data

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<b>Gene ID:</b>	8359
<b>Uniprot:</b>	AB_2761087
<b>Host Species:</b>	Rabbit
<b>Purification:</b>	Affinity purification
<b>Observed MW:</b>	11kDa
<b>Calculated MW:</b>	11kDa

## Preparation & Storage

**Storage:** Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.01% thimerosal, 50% glycerol, pH 7.3.

Store Bradford Reagent at Room Temperature for 1 Year.

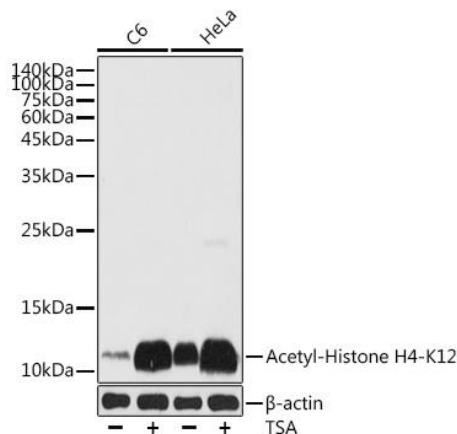
**Positive Sample:** C6 treated with TSA, HeLa treated with TSA

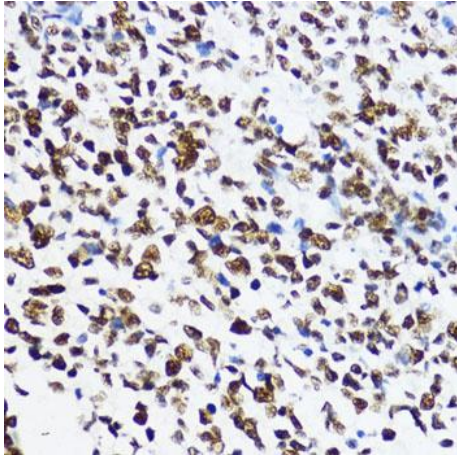
**Recommended Dilutions:**

<b>WB</b>	1:500 - 1:2000
<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.

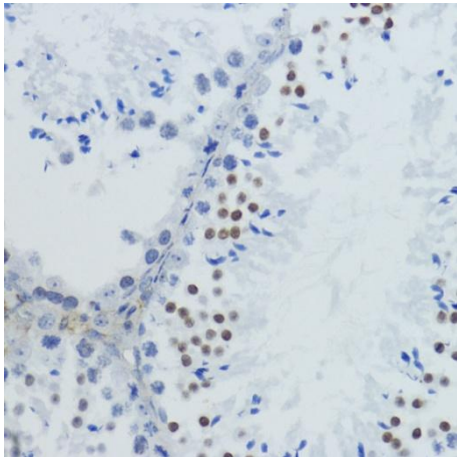
**Protein Quantification (Optional):** To quantify total protein levels, use the Bradford Reagent included in this kit. Visit <https://www.assaygenie.com/bradford-protein-assay-protocol/> to view the full protocol

## Validation Data

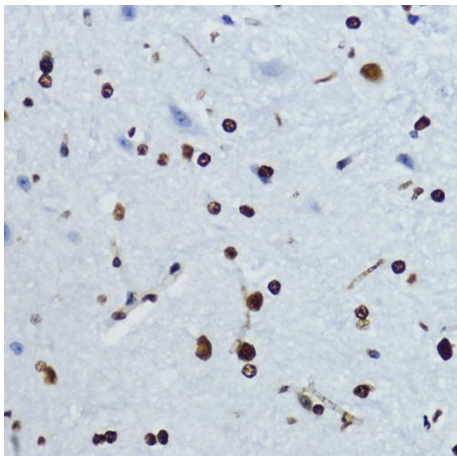




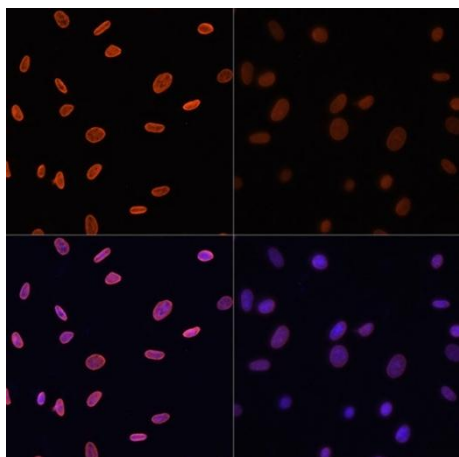
Immunohistochemistry analysis of paraffin-embedded Human appendix using Acetyl-Histone - Rabbit pAb (CAB14227) at dilution of 1:200 (40x lens). Microwave antigen retrieval performed with 0.01M PBS Buffer (pH 7.2) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Mouse testis using Acetyl-Histone - Rabbit pAb (CAB14227) 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 spinal cord using Acetyl-Histone - Rabbit pAb (CAB14227) 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 NIH/3T3 cells using Acetyl-Histone - Rabbit pAb (CAB14227) at dilution of 1:100. NIH/3T3 cells were treated with TSA (1  $\mu$ M) at 37°C for 18 hours. Blue: DAPI for nuclear staining.