

## Acetyl-Histone H3-K14 Antibody

**CAB7254**

### Description

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This Acetyl-Histone H3-K14 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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**SKU:** CAB7254

**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-K14

**Clone:** -

**Applications:** WB IF/ICC ELISA

**Conjugation:** Unconjugated

**Reactivity:** Human, Mouse, Rat, Other (Wide Range Predicted)

### Antibody Data

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**Gene ID:** 8290 8350

**Uniprot:** AB\_2737401

**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), pH 7.3.

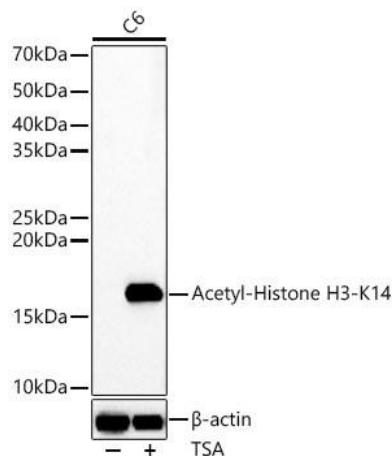
Store Bradford Reagent at Room Temperature for 1 Year.

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

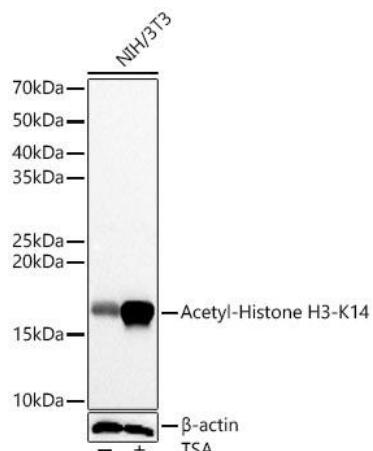
<b>Recommended Dilutions:</b>	<b>WB</b>	1:500 - 1:5000
	<b>IF/ICC</b>	1:50 - 1:200
	<b>ELISA</b>	Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

**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

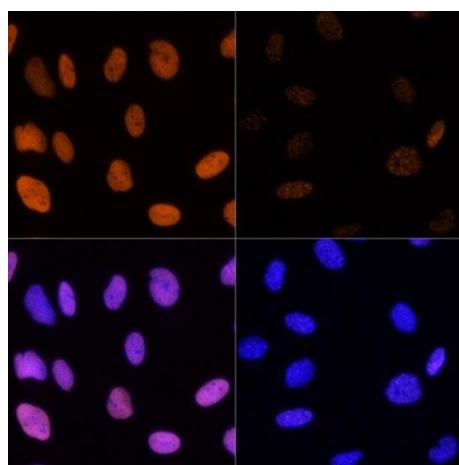
## Validation Data



Western blot analysis of lysates from cells using Acetyl-Histone - Rabbit pAb (CAB7254) at 1:400 dilution. 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: 30s.



Western blot analysis of lysates from NIH/3T3 cells using Acetyl-Histone - Rabbit pAb (CAB7254) at 1:400 dilution. NIH/3T3 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: 30s.



Immunofluorescence analysis of U-2 OS cells using Acetyl-Histone - Rabbit pAb (CAB7254) at dilution of 1:100 (40x lens). U-2 OS cells were treated with TSA (1 uM) at 37°C for 18 hours. Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (CABS007) at 1:500 dilution. Blue: DAPI for nuclear staining.