

Acetyl-Histone H3-K27 Antibody

CAB20184

Description

This Acetyl-Histone H3-K27 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: | CAB20184 |
| Contents: | 20 μ L, 100 μ L Bradford Reagent: 1 vial (2ml) |
| Category: | Polyclonal Antibody |
| Synonyms: | H3/A, H3C2, H3C3, H3C4, H3C6, H3C7, H3C8, H3FA, H3C10, H3C11, H3C12, HIST1H3A, Acetyl-Histone H3-K27 |
| Clone: | - |
| Applications: | WB ChIP ELISA DB |
| Conjugation: | Unconjugated |
| Reactivity: | Human, Mouse, Rat, Other (Wide Range Predicted) |

Antibody Data

| | |
|-----------------------|-----------------------|
| Gene ID: | 8290 8350 |
| Uniprot: | AB_2862971 |
| Host Species: | Rabbit |
| Purification: | Affinity purification |
| Observed MW: | 17kDa |
| Calculated MW: | 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.

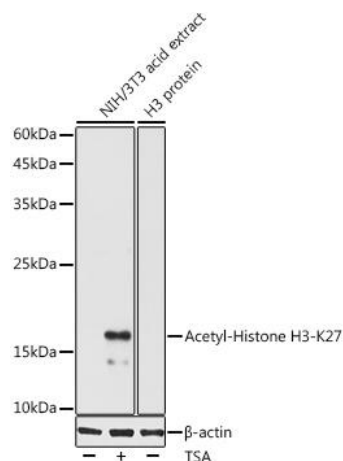
Positive Sample: HeLa treated with TSA, C6 treated with TSA, NIH/3T3 treated with TSA

Recommended Dilutions:

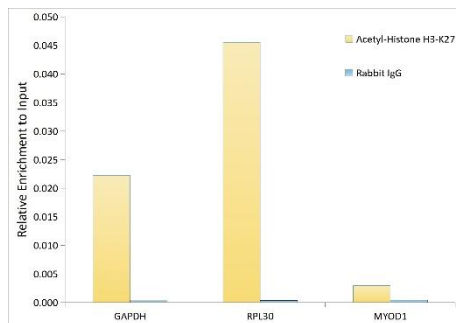
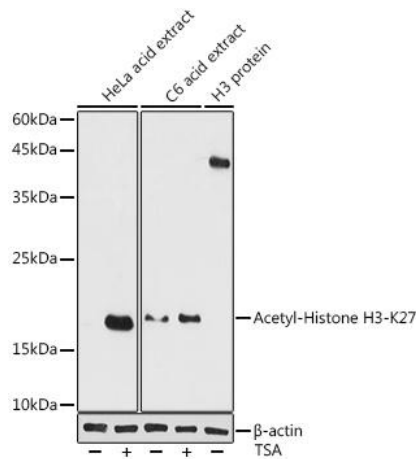
| | |
|--------------|---|
| WB | 1:500 - 1:1000 |
| DB | 1:500 - 1:1000 |
| ELISA | Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements. ChIP 5µg antibody for 5µg-10µg of Chromatin |

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 various lysates using Acetyl-Histone - Rabbit pAb (CAB20184) at 1:1000 dilution. NIH/3T3 cells were treated with TSA (1 µM) 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: 1s.



Western blot analysis of various lysates using Acetyl-Histone - Rabbit pAb (CAB20184) at 1:1000 dilution. HeLa cells and cells were treated with TSA (1 μ M) at 37°C for 18 hours. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25 μ g per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (AbGn00020). Exposure time: 180s.

Chromatin immunoprecipitation analysis of extracts of HeLa cells, using Acetyl-Histone - Rabbit pAb antibody (CAB20184) 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.