Acetyl-Histone H4-K16 Antibody

CAB5280

Description

This Acetyl-Histone H4-K16 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:	CAB5280
Contents:	20 µL, 100 µL Bradford Reagent: 1 vial (2ml)
Category:	Polyclonal Antibody
Synonyms:	H4, H4/n, H4C1, H4C2, H4C3, H4C4, H4C5, H4C6, H4C8, H4C9, H4F2, H4FN, FO108, H4-16, H4C11, H4C12, H4C13, H4C15, H4C16, HIST2H4, HIST2H4A, Acetyl-Histone H4-K16
Clone:	-
Applications:	WB IF/ICC ELISA
Conjugation:	Unconjugated
Reactivity:	Human, Mouse, Rat, Other (Wide Range Predicted)

Antibody Data

Gene ID:	8359
Uniprot:	AB_2766099
Host Species:	Rabbit
Purification:	Affinity purification
Observed MW:	11kDa
Calculated MW:	11kDa

Preparation & Storage

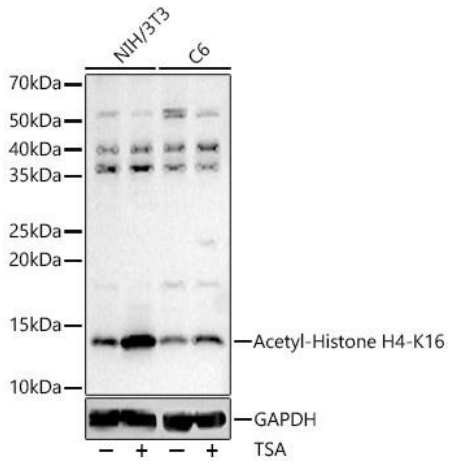
Storage:	Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS containing 50% glycerol, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3. Store Bradford Reagent at Room Temperature for 1 Year.
Positive Sample:	NIH/3T3 treated with TSA, C6 treated with TSA

Recommended Dilutions:

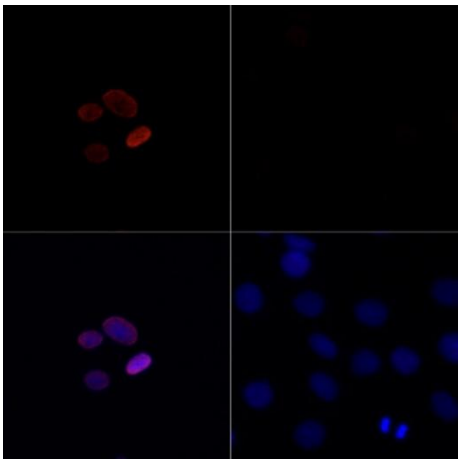
WB	1:100 - 1:500
IF/ICC	1:50 - 1:200
ELISA	Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

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

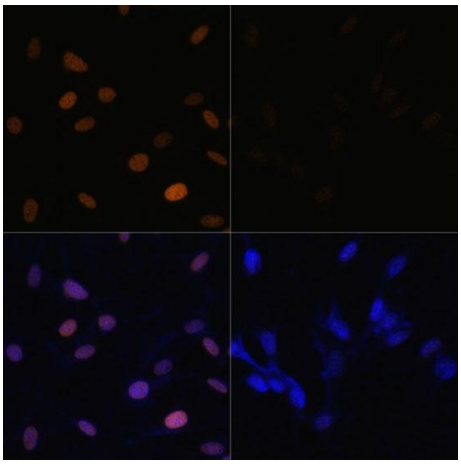
Validation Data



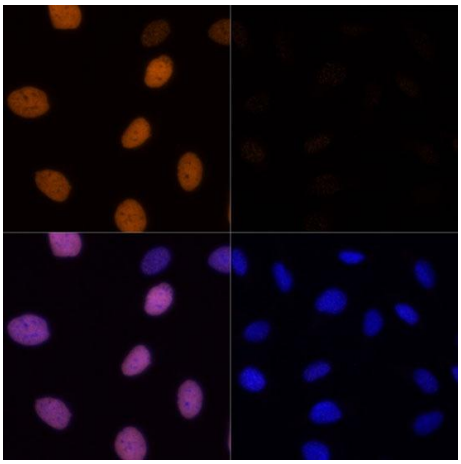
Western blot analysis of various lysates, using Acetyl-Histone - Rabbit pAb (CAB5280) at 1:400 dilution. NIH/3T3 and cells were treated with TSA (1 uM) at 37°C for 18 hours. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (AbGn00020). Exposure time: 90s.



Immunofluorescence analysis of cells treated with TSA (upper left) and untreated cells (upper right) using Acetyl-Histone - Rabbit pAb (red, CAB5280) at dilution of 1:100. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of NIH/3T3 cells using Acetyl-Histone - (CAB5280) at dilution of 1:100. Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (CABS007' target='_blank' >CABS007) at 1:500 dilution. Blue: DAPI for nuclear staining.NIH/3T3 cells were treated with TSA (1 uM) at 37℃ for 18 hours. Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (CABS007' target='_blank' >CABS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of U-2 OS cells using Acetyl-Histone - (CAB5280) at dilution of 1:100. Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (CABS007' target='_blank' >CABS007) at 1:500 dilution. Blue: DAPI for nuclear staining.U2OS cells were treated with TSA (1 uM) at 37℃ for 18 hours. Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (CABS007' target='_blank' >CABS007) at 1:500 dilution. Blue: DAPI for nuclear staining.