

## Anti-Acetyl-Histone H3-K4 antibody (STJ118518)

### GENERAL INFORMATION

Product Type	Primary antibodies
Applications	WB/IF/ICC/ELISA/ChIP
Host / Source	Rabbit
Reactivity	Human/Mouse/Rat/Other

### PRODUCT PROPERTIES

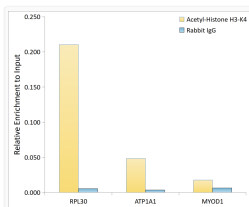
Clonality	Polyclonal
Concentration	Lot specific
Conjugation	Unconjugated
Purification	Affinity purification
Dilution Range	WB:1:500-1:1000 IF/CC:1:50-1:100 ELISA:Recommended starting concentration is 1 Mu g/mL. Please optimize the concentration based on your specific assay requirements. ChIP:5 Mu g antibody for 5 Mu g-10 Mu g of Chromatin
Formulation	PBS with 0.05% Proclin300, 50% Glycerol, pH 7.3.
Isotype	IgG
Molecular Weight	Protein Mw: 16kDa Observed Mw: 17kDa
Storage Instruction	Store at -20°C for up to 1 year from the date of receipt, and avoid repeat freeze-thaw cycles.

### TARGET INFORMATION

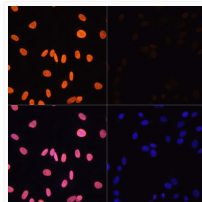
Gene ID	<a href="#">8290</a> <a href="#">8350/8351/8352/8353/8354/8355/8356/8357/8358/8968</a>
Gene Symbol	<a href="#">H3-4</a> <a href="#">H3C1.H3C2.H3C3.H3C4.H3C6.</a>
UniProt ID	<a href="#">H31T_HUMAN</a> <a href="#">H31_HUMAN</a>
Immunogen Sequence	ARTKQ
Specificity	A synthetic acetylated peptide around K4 of human Histone H3 (NP_003484.1).

### ADDITIONAL INFORMATION

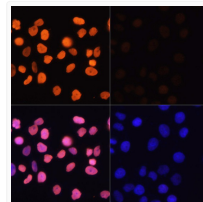
Note STRICTLY FOR FURTHER SCIENTIFIC RESEARCH USE ONLY (RUO). MUST NOT TO BE USED IN DIAGNOSTIC OR THERAPEUTIC APPLICATIONS.



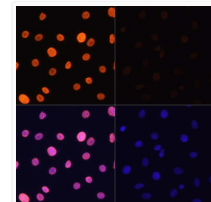
Chromatin immunoprecipitation analysis of extracts of HeLa cells, using Acetyl-Histone H3-K4 antibody (STJ118518) and rabbit IgG. The amount of immunoprecipitated DNA was checked by quantitative PCR. Histogram was constructed by the ratios of the immunoprecipitated DNA to the input.



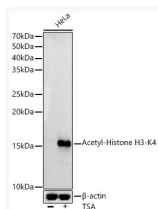
Immunofluorescence analysis of NIH/3T3 cells using Acetyl-Histone H3-K4 Rabbit polyclonal antibody (STJ118518) at dilution of 1:100. NIH/3T3 cells were treated by TSA (1 uM) at 37 °C for 18 hours. Blue: DAPI for nuclear staining.



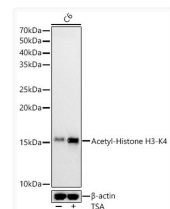
Immunofluorescence analysis of HeLa cells using Acetyl-Histone H3-K4 Rabbit polyclonal antibody (STJ118518) at dilution of 1:100. HeLa cells were treated by TSA (1 uM) at 37 °C for 18 hours. Blue: DAPI for nuclear staining.



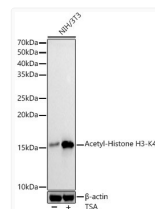
Immunofluorescence analysis of C6 cells using Acetyl-Histone H3-K4 Rabbit polyclonal antibody (STJ118518) at dilution of 1:100. C6 cells were treated by TSA (1 uM) at 37 °C for 18 hours. Blue: DAPI for nuclear staining.



Western blot analysis of lysates from HeLa cells using Acetyl-Histone H3-K4 Rabbit polyclonal antibody (STJ118518) at 1:400 dilution. HeLa cells were treated by TSA (1 uM) at 37 °C for 18 hours. Secondary antibody:HRP Goat Anti-Rabbit IgG (H+L) (STJS000856) at 1:10000 dilution. Lysates/proteins: 25 Mu g per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection:ECL Basic Kit. Exposure time: 60s.



Western blot analysis of lysates from C6 cells using Acetyl-Histone H3-K4 Rabbit polyclonal antibody (STJ118518) at 1:400 dilution. C6 cells were treated by TSA (1 uM) at 37 °C for 18 hours. Secondary antibody:HRP Goat Anti-Rabbit IgG (H+L) (STJS000856) at 1:10000 dilution. Lysates/proteins: 25 Mu g per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection:ECL Basic Kit. Exposure time: 60s.



Western blot analysis of lysates from NIH/3T3 cells using Acetyl-Histone H3-K4 Rabbit polyclonal antibody (STJ118518) at 1:400 dilution. NIH/3T3 cells were treated by TSA (1 uM) at 37 °C for 18 hours. Secondary antibody:HRP Goat Anti-Rabbit IgG (H+L) (STJS000856) at 1:10000 dilution. Lysates/proteins: 25 Mu g per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection:ECL Basic Kit. Exposure time: 60s.