# Acetyl-Histone H3-K56 Rabbit Polyclonal Antibody

**CAB7256**

## Product Information

**Size:**

20uL, 50uL, 100uL, 200uL

**Observed MW:**

17KDa

**Calculated MW:**

15kDa

**Applications:**

WB IHC IF IP ChIP ChIPseq

**Reactivity:**

Human, Mouse, Rat, Other (Wide Range)

## Antibody Information

**Recommended dilutions:**
WB 1:500 - 1:2000 IHC 1:50 - 1:200 IF 1:50 - 1:200 IP 1:50 - 1:200 ChIP 1:20 - 1:100 ChIPseq 1:20 - 1:100

**Source:**
Rabbit

**Isotype:**
IgG

**Purification:**
Affinity purification

## Protein Background

Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. Nucleosomes consist of approximately 146 bp of DNA wrapped around a histone octamer composed of pairs of each of the four core histones (H2A, H2B, H3, and H4). The chromatin fiber is further compacted through the interaction of a linker histone, H1, with the DNA between the nucleosomes to form higher order chromatin structures. This gene is intronless and encodes a replication-dependent histone that is a member of the histone H3 family. Transcripts from this gene lack polyA tails; instead, they contain a palindromic termination element. This gene is located separately from the other H3 genes that are in the histone gene cluster on chromosome 6p22-p21.3.

## Immunogen information

**Gene ID:**
8290

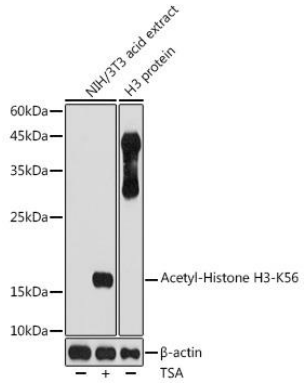
**Uniprot**
Q16695

**Synonyms:**
H3.4; H3/g; H3FT; H3t; HIST3H3; Histone H3; HIST1H3A

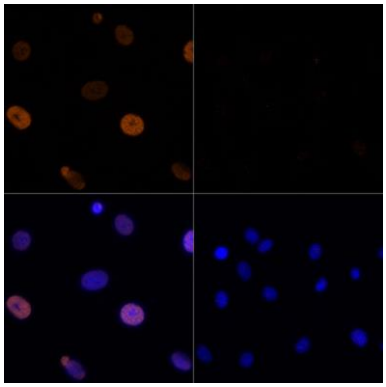
**Immunogen:**
A synthetic peptide of human Acetyl-Histone H3-K56

**Storage:**
Store at -20℃. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

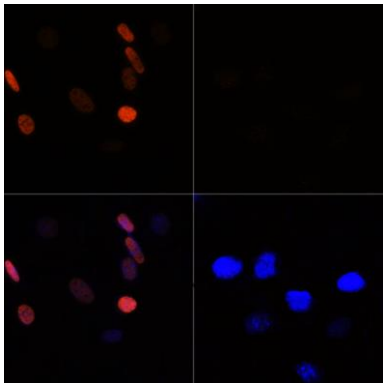
**Product Images**



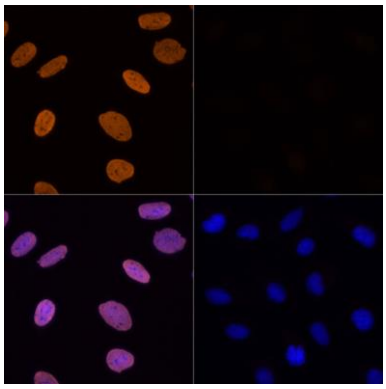

Western blot analysis of extracts of NIH/3T3 cells, using Acetyl-Histone H3-K56 antibody (CAB7256) at 1:1000 dilution.NIH/3T3 cells were treated by TSA (1 uM) at 37'C for 18 hours. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (CABM00020). Exposure time: 180s.



Immunofluorescence analysis of C6 cells using Acetyl-Histone H3-K56 Rabbit pAb (CAB7256) at dilution of 100 (40x lens).C6 cells were treated by TSA (1 uM) at 37'C for 18 hours. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of NIH/3T3 cells using Acetyl-Histone H3-K56 Rabbit pAb (CAB7256) at dilution of 100 (40x lens).NIH/3T3 cells were treated by TSA (1 uM) at 37'C for 18 hours. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of U-2 OS cells using Acetyl-Histone H3-K56 Rabbit pAb (CAB7256) at dilution of 100 (40x lens).U-2 OS cells were treated by TSA (1 uM) at 37'C for 18 hours. Blue: DAPI for nuclear staining.