

Datasheet for ABIN7259751

anti-Histone 3 antibody (acLys9, acLys14, acLys18, acLys23, acLys27)



[Go to Product page](#)

7 Images

Overview

Quantity:	200 µL
Target:	Histone 3 (H3)
Binding Specificity:	acLys9, acLys14, acLys18, acLys23, acLys27
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Histone 3 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunohistochemistry (IHC)

Product Details

Immunogen:	A synthetic peptide of human Acetyl-Histone H3-K9/K14/K18/K23/K27.
Isotype:	IgG
Characteristics:	Acetylated antibody
Purification:	Affinity purification

Target Details

Target:	Histone 3 (H3)
Alternative Name:	Histone H3
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

Target Details

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.

Molecular Weight: 17 kDa

Gene ID: 8350

UniProt: [P68431](#)

Application Details

Application Notes: WB 1:500-1:2000 IHC 1:50-1:200 IF 1:50-1:200

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 mg/mL

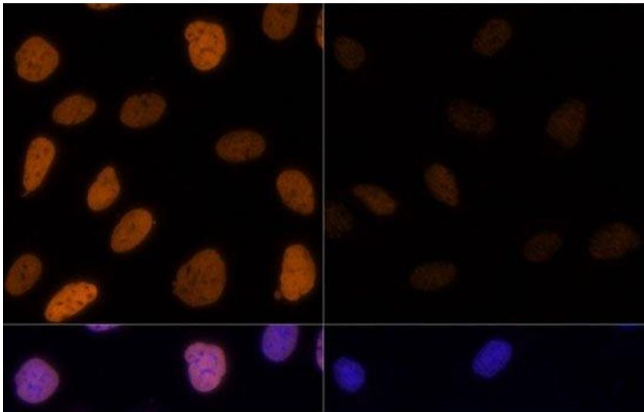
Buffer: PBS with 0.02 % sodium azide, 50 % glycerol, pH 7.3

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

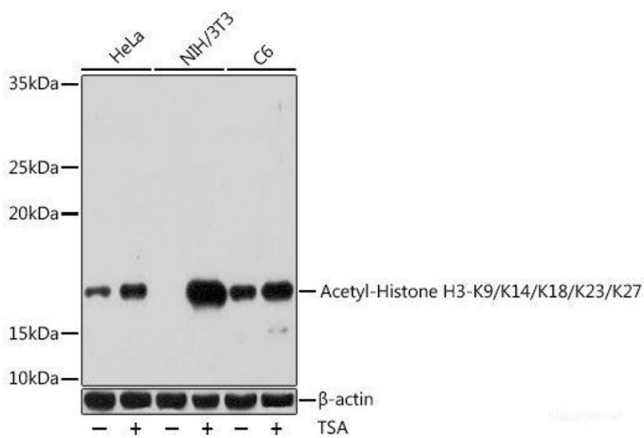
Storage: -20 °C

Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.



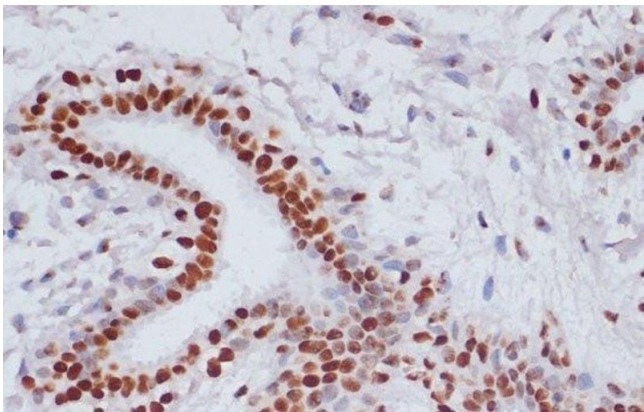
Immunofluorescence

Image 1. Immunofluorescence analysis of U-2 OS cells using Acetyl-Histone H3-K9/K14/K18/K23/K27 Polyclonal Antibody at dilution of 1:100. Blue: DAPI for nuclear staining. U2OS cells were treated by TSA (1 μ M) at 37 °C for 18 hours. Blue: DAPI for nuclear staining.



Western Blotting

Image 2. Western blot analysis of extracts of various cell lines using Acetyl-Histone H3-K9/K14/K18/K23/K27 Polyclonal Antibody at dilution of 1:1000. HeLa cells were treated by TSA (1 μ M) at 37 °C for 18 hours. NIH/3T3 cells were treated by TSA (1 μ M) at 37 °C for 18 hours. C6 cells were treated by TSA (1 μ M) at 37 °C for 18 hours.



Immunohistochemistry (Paraffin-embedded Sections)

Image 3. Immunohistochemistry of paraffin-embedded Human breast cancer using Acetyl-Histone H3-K9/K14/K18/K23/K27 Polyclonal Antibody at dilution of 1:100 (40x lens).

Please check the [product details page](#) for more images. Overall 7 images are available for ABIN7259751.