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Datasheet for ABIN7261235

anti-Histone H4 antibody (acLys16)

5 Images

Overview

Quantity:	200 µL
Target:	Histone H4
Binding Specificity:	acLys16
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Histone H4 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF)

Product Details

Immunogen:	A synthetic acetylated peptide around K16 of human Histone H4 (NP_001029249.1).
Isotype:	IgG
Characteristics:	Acetylated antibody
Purification:	Affinity purification

Target Details

Target:	Histone H4
Abstract:	Histone H4 Products
Background:	Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. This structure consists of approximately 146 bp of DNA

Target Details

wrapped around a nucleosome, an 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 H4 family. Transcripts from this gene lack polyA tails, instead, they contain a palindromic termination element. This gene is found in a histone cluster on chromosome 1. This gene is one of four histone genes in the cluster that are duplicated, this record represents the centromeric copy.

Molecular Weight:	Observed_MW: 13 kDa Calculated_MW: 11 kDa
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Gene ID:	8370
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UniProt:	P62805
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Application Details

Application Notes:	WB 1:500-1:2000 IF 1:50-1:200
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Restrictions:	For Research Use only
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Handling

Format:	Liquid
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Concentration:	1 mg/mL
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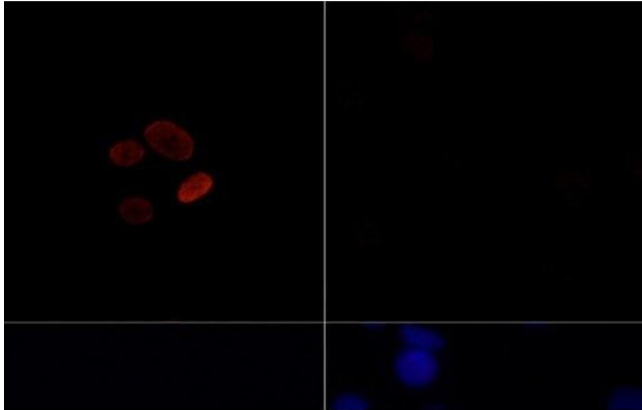
Buffer:	PBS with 0.02 % sodium azide, 50 % glycerol, pH 7.3
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Preservative:	Sodium azide
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Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
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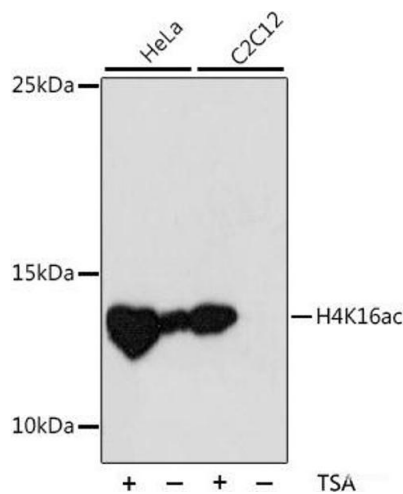
Storage:	-20 °C
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Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.
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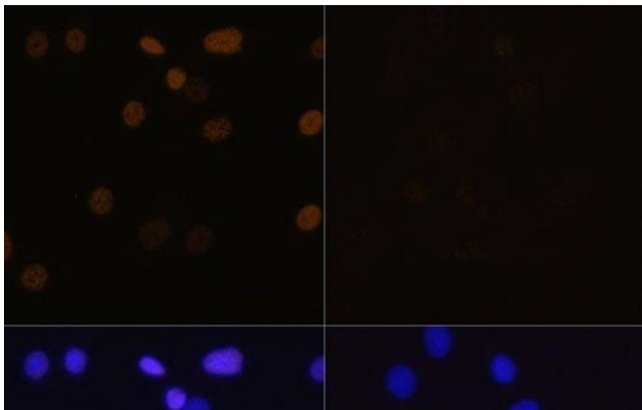
Immunofluorescence

Image 1. Immunofluorescence analysis of C6 cells treated by TSA (upper left) and untreated C6 cells (upper right) using Acetyl-Histone H4-K16 Polyclonal Antibody at dilution of 1:100. Blue: DAPI for nuclear staining.



Western Blotting

Image 2. Western blot analysis of extracts of various cell lines using Acetyl-Histone H4-K16 Polyclonal Antibody at dilution of 1:1000.



Immunofluorescence

Image 3. Immunofluorescence analysis of C6 cells using Acetyl-Histone H4-K16 Polyclonal Antibody at dilution of 1:100. Blue: DAPI for nuclear staining. C6 cells were treated by TSA (1 uM) at 37 °C for 18 hours. Blue: DAPI for nuclear staining.

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN7261235.