Datasheet for ABIN7267747

anti-Histone H4 antibody (acLys8)

6 Images

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Overview

Quantity:	100 µL
Target:	Histone H4
Binding Specificity:	acLys8
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Histone H4 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), Immunoprecipitation (IP), Chromatin Immunoprecipitation (ChIP), ChIP DNA-Sequencing (ChIP-seq)

Product Details

Purpose:	Acetyl-Histone H4-K8 Rabbit pAb
Immunogen:	A synthetic peptide of human Acetyl-Histone H4-K8
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Acetylated Antibodies
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 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.,FO108,H4,H4/n,H4F2,H4FN,HIST2H4,Histone H4,HIST1H4A,HIST2H4A,Epigenetics & Nuclear Signaling,Epigenetic Modifications,Acetylation,Epigenetics & Nuclear Signaling,Epigenetic Modifications,Acetylation,Epigenetics & Nuclear Signaling,Epigenetic Modifications,Acetylation,Histone H4
Molecular Weight:	11kDa
Gene ID:	8370
UniProt:	P62805

Application Details

Application Notes:	WB,1:1000 - 1:3000,IHC,1:200 - 1:500,IF,1:500 - 1:1000,IP,1:200 - 1:500,ChIP,1:20 - 1:50,ChIP-seq,1:20 - 1:50
Restrictions:	For Research Use only

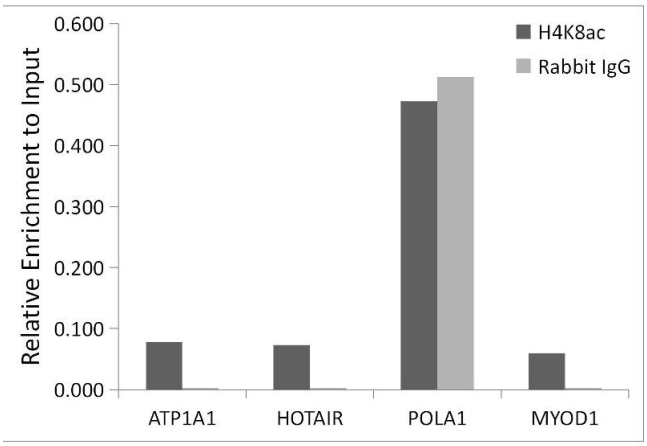
Handling

Format:	Liquid
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.

Handling

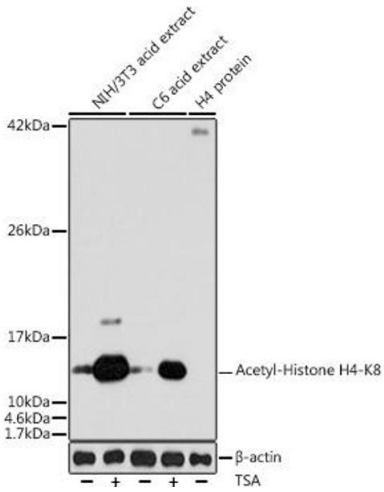
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.

Images



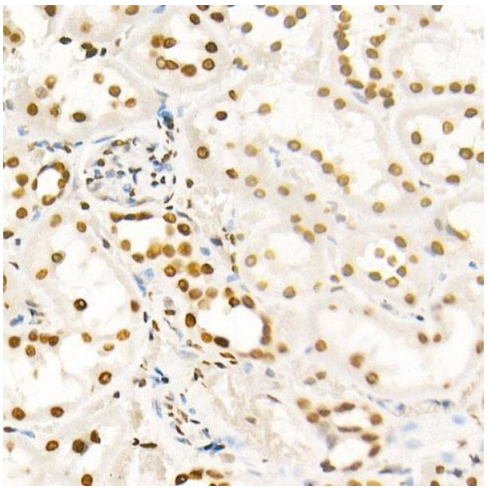
Immunofluorescence

Image 1. Immunofluorescence analysis of HeLa cells using Acetyl-Histone H4-K8 antibody (ABIN7267747). Blue: DAPI for nuclear staining.



Western Blotting

Image 2. Western blot analysis of extracts of various cell lines, using Acetyl-Histone H4-K8 antibody (ABIN7267747) at 1:1000 dilution.NIH/3T3 cells and C6 cells were treated by TSA (1 uM) at 37 °C for 18 hours.Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution.Lysates/proteins: 25 µg per lane.Blocking buffer: 3 % nonfat dry milk in TBST.Detection: ECL Basic Kit (RM00020).Exposure time: 30s.



Immunohistochemistry

Image 3. Immunohistochemistry of paraffin-embedded rat ovary using H4K8ac antibody (ABIN7267747) at dilution of 1:100 (40x lens).Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.

Images

Please check the product details page for more images. Overall 6 images are available for ABIN7267747.

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