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Datasheet for ABIN7267743
anti-Histone H4 antibody (acLys5)

7 Images

Overview

Quantity:	100 µL
Target:	Histone H4
Binding Specificity:	acLys5
Reactivity:	Human
Host:	Rabbit
Clonality:	Monoclonal
Conjugate:	This Histone H4 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Purpose:	Acetyl-Histone H4-K5 Rabbit mAb
Immunogen:	A synthesized peptide derived from human Histone H4 (acetyl K5).
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Acetylated Antibodies
Purification:	Affinity purification

Target Details

Target:	Histone H4
Abstract:	Histone H4 Products

Target Details

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 H4 family. Transcripts from this gene lack polyA tails, instead, they contain a palindromic termination element. [provided by RefSeq, Aug 2015],H4/p,HIST4H4,Histone H4

Molecular Weight: 11kDa

Gene ID: 121504

UniProt: [P62805](#)

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

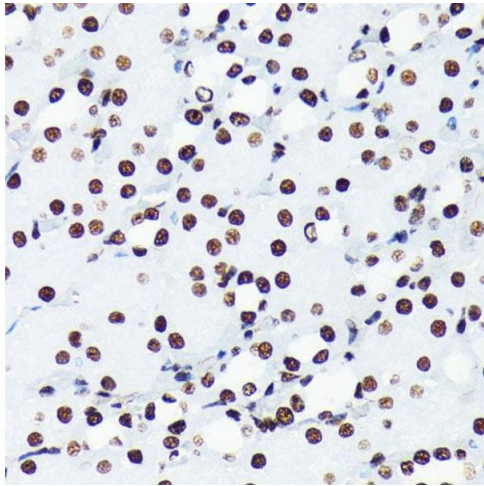
Buffer: PBS with 0.02 % sodium azide,0.05 % BSA,50 % glycerol, pH 7.3.

Preservative: Sodium azide

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

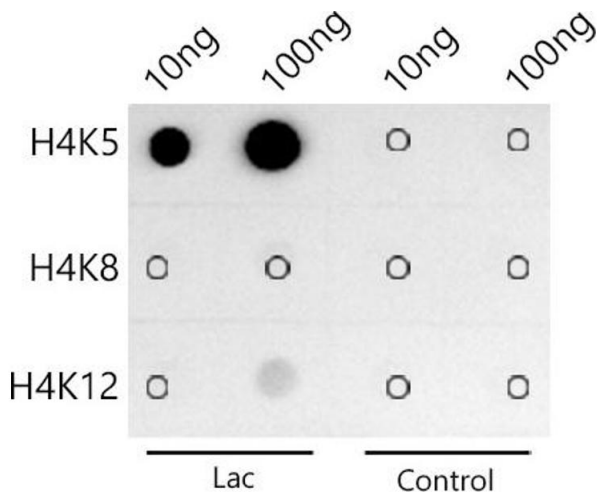
Storage: -20 °C

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



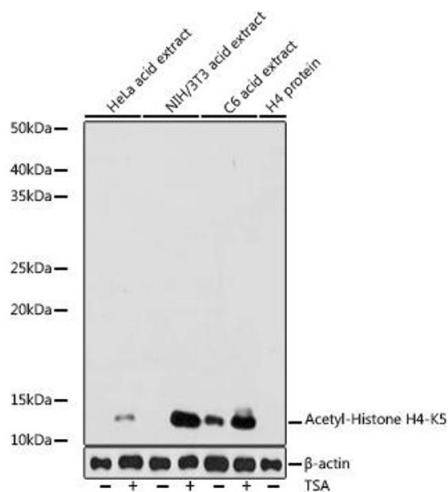
Immunohistochemistry

Image 1. Immunohistochemistry of paraffin-embedded mouse kidney using Acetyl-Histone H4-K5 antibody (ABIN7267743) 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.



Dot Blot

Image 2. Dot-blot analysis of all sorts of peptides using Acetyl-Histone H4-K5 antibody (ABIN7267743) at 1:1000 dilution.



Western Blotting

Image 3. Western blot analysis of extracts of various cell lines, using Acetyl-Histone H4-K5 antibody (ABIN7267743) at 1:1000 dilution. HeLa cells and NIH/3T3 cells and C6 cells were treated by TSA (1 μM) 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: 10s.

Please check the [product details page](#) for more images. Overall 7 images are available for ABIN7267743.