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Datasheet for ABIN6254899

## anti-Histone H4 antibody (acLys12)

### 5 Images

#### Overview

Quantity:	100 µL
Target:	Histone H4
Binding Specificity:	acLys12
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Histone H4 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), ELISA, Immunocytochemistry (ICC)

#### Product Details

Immunogen:	The antiserum was produced against synthesized peptide derived from human Histone H4 around the acetylated site of Lys12.
Isotype:	IgG
Specificity:	Acetyl-Histone H4 (Lys12) Antibody detects endogenous levels of total Histone H4 protein only when acetylated at lysine12.
Cross-Reactivity:	Human, Mouse (Murine), Rat (Rattus)
Purification:	affinity purification

#### Target Details

Target:	Histone H4
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## Target Details

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Abstract: [Histone H4 Products](#)

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Background: Description: Core component of nucleosome. Nucleosomes wrap and compact DNA into chromatin, limiting DNA accessibility to the cellular machineries which require DNA as a template. Histones thereby play a central role in transcription regulation, DNA repair, DNA replication and chromosomal stability. DNA accessibility is regulated via a complex set of post-translational modifications of histones, also called histone code, and nucleosome remodeling.  
Gene: HIST1H4A, HIST1H4B, HIST1H4C, HIST1H4D, HIST1H4E, HIST1H4F, HIST1H4H, HIST1H4I, HIST1H4J, HIST1H4K, HIST1H4L, HIST2H4A, HIST2H4B, HIST4H4

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Molecular Weight: 11kDa

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Gene ID: 121, 504, 554

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UniProt: [P62805](#)

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## Application Details

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

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Restrictions: For Research Use only

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## Handling

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Format: Liquid

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Concentration: 1 mg/mL

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Buffer: Rabbit IgG in phosphate buffered saline , pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.

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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

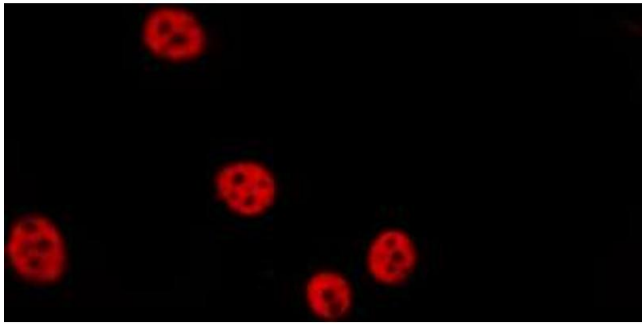
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Storage Comment: Store at -20 °C.Stable for 12 months from date of receipt

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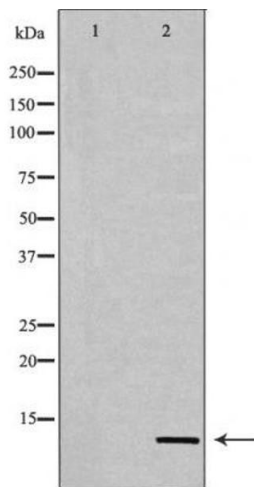
Expiry Date: 12 months

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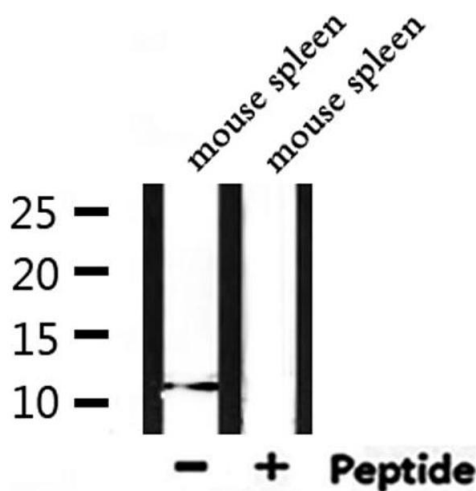
### Immunofluorescence (fixed cells)

**Image 1.** ABIN6267063 staining HeLa by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25°C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37°C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.



### Western Blotting

**Image 2.** Western blot analysis of extracts from COS7 cells, treated with TSA 400nM 24h, using Acetyl-Histone H4 (Lys12) Antibody. The lane on the left is treated with the synthesized peptide



### Western Blotting

**Image 3.** Western blot analysis of extracts from mouse spleen, using Acetyl-Histone H4 (Lys12) Antibody.

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN6254899.