

## Acetyl-Histone H3 (Lys23) Ab

Cat.#: AF1019  
Size: 100ul,200ul

Concn.: 1mg/ml  
Source: Rabbit

Mol.Wt.: 15 KD  
Clonality: Polyclonal

Application:	WB: 1:500~1:1000 IF 1:200
Reactivity:	Human,Mouse,Rat
Purification:	affinity purification.
Specificity:	Acetyl-Histone H3 (Lys23) Ab detects endogenous levels of total Histone H3 protein only when acetylated at lysine23.
Immunogen:	The antiserum was produced against synthesized peptide derived from human Histone H3 around the acetylated site of Lys23.
Uniprot:	P68431/Q71DI3/P84243
Description:	Histone H3 is one of the five main histone proteins involved in the structure of chromatin in eukaryotic cells. 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.
Subcellular Location:	Nucleus. Chromosome.
Tissue Specificity:	Expressed during S phase, then expression strongly decreases as cell division slows down during the process of differentiation.
Similarity:	Belongs to the histone H3 family.
Storage Condition and Buffer:	Store at -20°C. Stable for one year from the date of shipment. 1mg/ml in PBS, pH 7.4, containing 0.02% sodium azide and 50% glycerol.



Western blot analysis of extracts from Raw264.7 cells, treated with TSA 400nM 24h, using Acetyl-Histone H3 (Lys23) Ab. The lane on the left is treated with the synthesized peptide.



AF1019 staining HepG2 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 Ab 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 Ab.

**IMPORTANT:** For western blot, incubate membrane with diluted primary Ab in 5% w/v milk, 1X TBS, 0.1% Tween@20 at 4°C with gentle shaking, overnight.

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