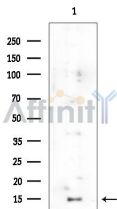


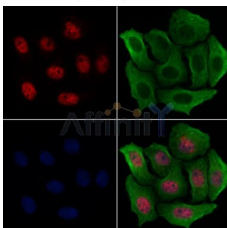
## Acetyl-Histone H3 (Lys23) Ab

[Images\(4\)](#)

Cat.#: AF1019	Concn.: ~1mg/ml	Mol.Wt.: 15 KD
Size:	Source: Rabbit	Clonality: Polyclonal
Application:	WB 1:500-1:1000, IF/ICC 1:200 *The optimal dilutions should be determined by the end user.	
Reactivity:	Human,Mouse,Rat	
Storage:	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. Store at -20 °C. Stable for 12 months from date of receipt.	
Purification:	The antiserum was purified by peptide affinity chromatography using SulfoLink™ Coupling Resin (Thermo Fisher Scientific).	
Immunogen:	A synthesized peptide derived from human Histone H3 around the acetylation 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.	



Western blot analysis of extracts from COLO205 cells(heat-shock treatment), using Acetyl-Histone H3 (Lys23) Ab at 1/1000 dilution.  
Observed bands:15kD.



AF1019 staining HeLa cells by IF/ICC. The samples were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25°C. Samples were then incubated with primary Ab(AF1019 1:200) and mouse anti-beta tubulin Ab(T0023 1:200) for 1 hour at 37°C. An AlexaFluor594 conjugated goat anti-rabbit IgG(H+L) Ab(Red) and an AlexaFluor488 conjugated goat anti-mouse IgG(H+L) Ab(Green) were used as the secondary Ab.  
The nuclear counter stain is DAPI(blue).

**IMPORTANT:** For western blot, incubate membrane with diluted primary Ab

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in 5% w/v milk , 1X TBS, 0.1% Tween@20 at 4°C with gentle shaking,  
overnight.

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procedures. Not for resale without express authorization.