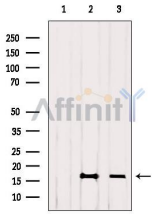
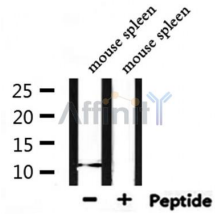
Acetyl-Histone H4 (Lys12) Ab

Cat.#: AF1021	Concn.: 1mg/ml	Mol.Wt.: 11kDa
Size: 100ul,200ul	Source: Rabbit	Clonality: Polyclonal

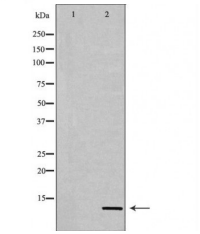
Application:	WB: 1:500~1:2000 IHC: 1:50~1:200 IF 1:200
Reactivity:	Human,Mouse,Rat
Purification:	affinity purification.
Specificity:	Acetyl-Histone H4 (Lys12) Ab detects endogenous levels of total Histone H4 protein only when acetylated at lysine12.
Immunogen:	The antiserum was produced against synthesized peptide derived from human Histone H4 around the acetylated site of Lys12.
Uniprot:	P62805
Description:	Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. Two molecules of each of the four core histones (H2A, H2B, H3, and H4) form an octamer, around which approximately 146 bp of DNA is wrapped in repeating units, called nucleosomes.
Subcellular Location:	Nucleus. Chromosome.
Similarity:	Belongs to the histone H4 family.
Storage Condition and Buffer:	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.Store at -20 °C.Stable for 12 months from date of receipt.



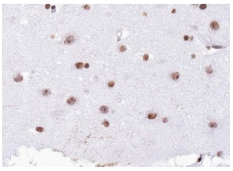
Western blot analysis of extracts from various samples, Acetyl-Histone H4 (Lys12) Ab.
Lane 1: MCF7 treated with blocking peptide;
Lane 2: MCF7;
Lane 3: 3T3.



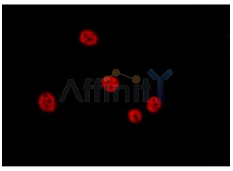
Western blot analysis of extracts from mouse spleen, using Acetyl-Histone H4 (Lys12) Ab.



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



AF1021 at 1/100 staining human Brain tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the Ab for 1.5 hours at 22°C. An HRP conjugated goat anti-rabbit Ab was used as the secondary.



AF1021 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 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.