

## Acetyl-Histone H4 (Lys12) Recombinant antibody

**Cat:**B36123S

**Company:** HaoKebio

**Uniprot ID:**P62805

**Applications:** IHC:1:1000-1:4000

**Organism:**Rabbit

IHC-Polymer:1:4000-1:16000

**Species reactivity:**Human Mouse Rat

IHC-TSA:1:5000-1:20000

**Molecular Weight Calculation:** 11 kDa

IF:1:50-1:200

**Observed Molecular Weight:** 12 kDa

WB:1:5000-1:50000

DOT BLOT:1:10-1:100

CHIP-QPCR:1:10-1:100

### Background:

Histone H4 is a 103 amino acid protein, which belongs to the histone H4 family. Histone H4 localizes in the nucleus and is a 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. Acetylation of histone H4 is necessary for chromatin decompaction during DNA replication.

### Synonyms:

Ac Histone H4, Ac Histone H4 (Lys12), Ac Histone H4 Lys12, Ac Histone H4-Lys12, Acetyl Histone

### Immunogen:

Recombinant protein

### Isotype:

IgG

### Subcellular location:

Nucleus

### Purity:

Affinity purification

### Form:

Liquid

### Storage Buffer:

PBS with 0.02% sodium azide, 100 µg/ml BSA and 50% glycerol.

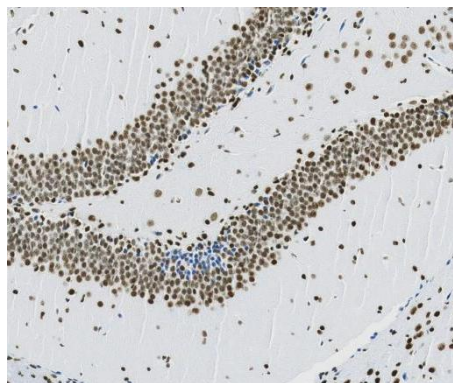
### Storage:

Store at -20 °C for one year.

### Experimental procedure:

Antigen retrieval: Citrate buffer (pH 9.0), Medium high heat for 8 minutes, stop for 7 minutes, medium high heat for 8 minutes. Incubate antibody, 4°C overnight. Secondary antibody: Poly-HRP Goat Anti-Rabbit & Mouse Universal Secondary Antibody, RT, 1h.

### Images:



Sample: Mouse brain, 4% PFA 12-24h

### Source of Reagents:

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