

## Acetyl-Histone H4-K5 mAb

<b>Catalog No</b>	A11015	<b>Category</b>	Acetylated Antibodies
<b>Applications</b>	WB,IHC,IF,IP	<b>Observed MW</b>	11kDa
<b>Cross-Reactivity</b>	Human,Mouse,Rat	<b>Calculated MW</b>	11kDa

### Immunogen Information

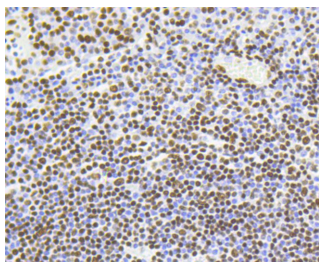
<b>Immunogen</b>	A specific peptide of human Acetyl-Histone H4-K5
<b>Gene ID</b>	8366
<b>Swiss Prot</b>	P62805
<b>Synonyms</b>	H4/I,H4FI

### Product information

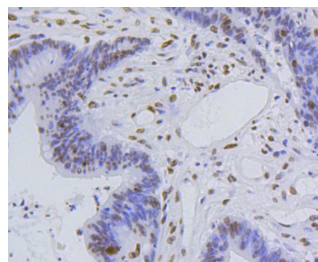
<b>Source</b>	Rabbit
<b>Isotype</b>	IgG
<b>Purity</b>	Affinity purification
<b>Storage</b>	Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

### Background

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. The linker histone, H1, interacts with linker DNA between nucleosomes and functions in the compaction of chromatin into higher order structures. This gene is intronless and encodes a replication-dependent histone that is a member of the histone H4 family. Transcripts from this gene lack polyA tails but instead contain a palindromic termination element. This gene is found in the large histone gene cluster on chromosome 6.



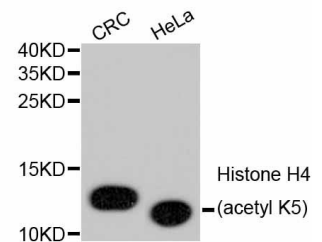
Immunohistochemistry of paraffin-embedded human tonsil using Acetyl-Histone H4-K5 antibody (A11015) at dilution of 1:100 (40x lens).



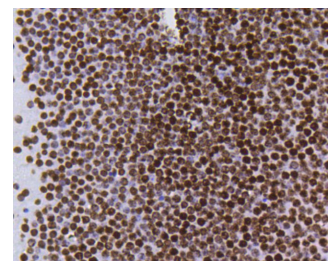
Immunohistochemistry of paraffin-embedded human colon carcinoma using Acetyl-Histone H4-K5 antibody (A11015) at dilution of 1:100 (40x lens).

### Recommended Dilutions

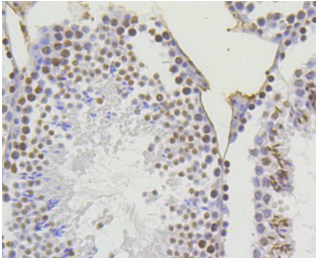
WB	1:500 - 1:2000
IHC	1:50 - 1:200
IF	1:50 - 1:200
IP	1:20 - 1:50



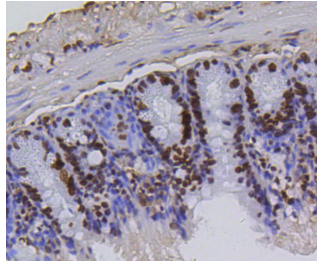
Western blot analysis of extracts of various cell lines, using Acetyl-Histone H4-K5 antibody (A11015). Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
Lysates/proteins: 25ug per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.



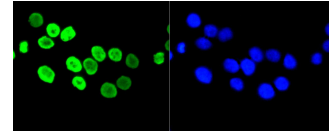
Immunohistochemistry of paraffin-embedded mouse brain using Acetyl-Histone H4-K5 antibody (A11015) at dilution of 1:100 (40x lens).



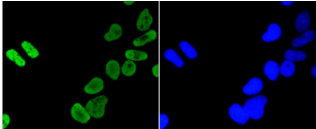
Immunohistochemistry of paraffin-embedded mouse testis using Acetyl-Histone H4-K5 antibody (A11015) at dilution of 1:100 (40x lens).



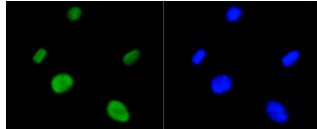
Immunohistochemistry of paraffin-embedded mouse colon using Acetyl-Histone H4-K5 antibody (A11015) at dilution of 1:100 (40x lens).



Immunofluorescence analysis of CRC cells using Acetyl-Histone H4-K5 antibody (A11015).



Immunofluorescence analysis of HeLa cells using Acetyl-Histone H4-K5 antibody (A11015).



Immunofluorescence analysis of SH-SY-5Y cells using Acetyl-Histone H4-K5 antibody (A11015).