

## Acetyl-Histone H3-K18 pAb

<b>Catalog No</b>	A7257	<b>Category</b>	Acetylated Antibodies
<b>Applications</b>	WB,IHC,IF,IP,ChIP,ChIPseq	<b>Observed MW</b>	16kDa
<b>Cross-Reactivity</b>	Human,Mouse,Rat,Other (Wide Range)	<b>Calculated MW</b>	15kDa

### Immunogen Information

<b>Immunogen</b>	A synthetic acetylated peptide corresponding to residues surrounding K18 of human H3
<b>Gene ID</b>	8356
<b>Swiss Prot</b>	P68431
<b>Synonyms</b>	H3/j,H3FJ

### Product information

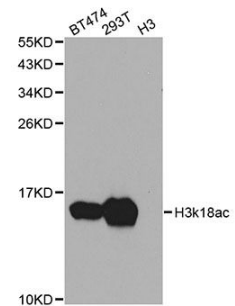
<b>Source</b>	Rabbit
<b>Isotype</b>	IgG
<b>Purity</b>	Affinity purification
<b>Storage</b>	Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

### 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 H3 family. Transcripts from this gene lack polyA tails but instead contain a palindromic termination element. This gene is found in the small histone gene cluster on chromosome 6p22-p21.3.

### Recommended Dilutions

WB	1:1000 - 1:3000
IHC	1:200 - 1:500
IF	1:500 - 1:1000
IP	1:200 - 1:500
CHIP	1:50 - 1:100
CHIPseq	1:50 - 1:100



Western blot analysis of extracts of various cell lines, using Acetyl-Histone H3-K18 antibody (A7257) at 1:1000 dilution.  
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.  
Detection: ECL Basic Kit (RM00020).  
Exposure time: 90s.