

# Rabbit anti-Acetyl-Histone H3-K18 Polyclonal Antibody

Catalog Number: R16065P

## General Information

<b>Immunogen</b>	A synthetic acetylated peptide corresponding to residues surrounding K18 of human H3
<b>IgG type</b>	IgG
<b>Clonality</b>	Polyclonal
<b>Specificity</b>	Acetyl-Histone H3-K18
<b>Applications &amp; dilution</b>	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
<b>Formulation</b>	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
<b>Purity</b>	≥95% purity by SDS-PAGE
<b>Storage</b>	Store at -20°C. Avoid freeze / thaw cycles.
<b>Abbreviation:</b> ELISA: Enzyme-linked immunosorbent assay; ITA: immunoturbidimetric assay; IP: immunoprecipitation; IHC: immunohistochemistry; IF: immunofluorescence. WB: western blot; FC: flowcytometry	

## Background

Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. Nucleosomes consist of approximately 146 bp of DNA wrapped around a histone octamer composed of pairs of each of the four core histones (H2A, H2B, H3, and H4). The chromatin fiber is further compacted through the interaction of a linker histone, H1, with the DNA between the nucleosomes to form higher order chromatin structures. This gene is intronless and encodes a member of the histone H3 family. Transcripts from this gene lack polyA tails; instead, they contain a palindromic termination element. This gene is located separately from the other H3 genes that are in the histone gene cluster on chromosome 6p22-p21.3.

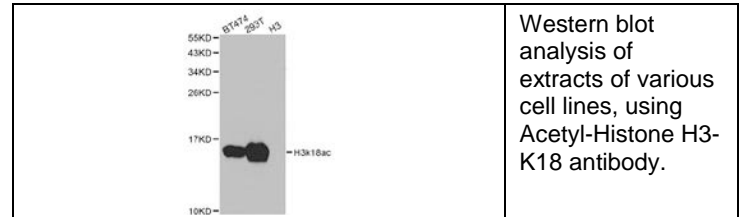
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## Preparation

Polyclonal antibody is produced by immunizing rabbit with a synthetic acetylated peptide corresponding to residues surrounding K18 of human H3 and purified using protein A resin.

## Applications

### Western blot



## Storage

This antibody is shipped at 4 °C. This product is stable for 12 months from date of receipt when stored at -20 °C to -70 °C. Avoid freeze/thaw cycles.

## Hazard/Biohazard

This antibody contains 0.02% sodium azide as preservative. Please handle and dispose the product properly. No known biohazard is associated with this product.