

Rabbit anti-Acetyl-Histone H3-K14 Polyclonal Antibody

Catalog Number: R16062P

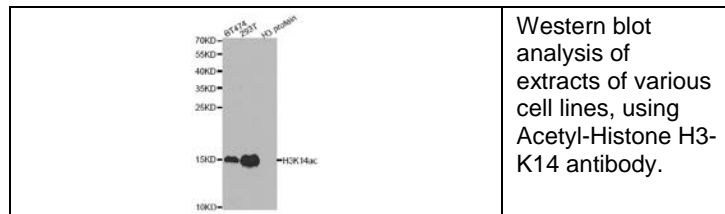
General Information	
Immunogen	A synthetic acetylated peptide corresponding to residues surrounding K14 of human H3
IgG type	IgG
Clonality	Polyclonal
Specificity	Acetyl-Histone H3-K14
Applications & dilution	WB 1:1000 - 1:3000 IHC 1:200 - 1:500 IF 1:500 - 1:1000 IP 1:200 - 1:500 CHIP 1:50 - 1:100 CHIPseq 1:50 - 1:100
Formulation	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Purity	≥95% purity by SDS-PAGE
Storage	Store at -20°C. Avoid freeze / thaw cycles.
Abbreviation: ELISA: Enzyme-linked immunosorbent assay; ITA: immunoturbidimetric assay; IP: immunoprecipitation; IHC: immunohistochemistry; IF: immunofluorescence. WB: western blot; FC: flow cytometry	

Preparation

Polyclonal antibody is produced by immunizing rabbit with a synthetic acetylated peptide corresponding to residues surrounding K14 of human H3 and purified using protein A resin.

Applications

Western blot



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.

For research use only

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.