Acetyl-Histone H3-K14 pAb

Catalog No.	A7254	**Category**	Acetylated Antibodies
Applications	WB, IHC, IF, IP, ChIP, ChIPseq	**Observed MW**	15kDa
Cross-reactivity	Human, Mouse, Rat, Other (Wide Range)	**Calculated MW**	15kDa

Immunogen Information

Immunogen	A synthetic acetylated peptide corresponding to residues surrounding K14 of human H3
Gene ID	8290
Swiss prot	Q16695
Synonyms	H3.4;H3/g;H3FT;H3t

Product information

Source	Rabbit
Isotype	IgG
Purification method	Affinity purification
Storage	Store at -20℃. 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. 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 replication-dependent histone that is 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.

Recommended Dilutions

WB 1:1000 - 1:3000

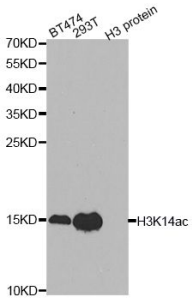
IHC 1:200 - 1:500

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-K14 antibody (A7254) 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.