

Acetyl-Histone H3-K27 pAb

Catalog No	A7253	Category	Acetylated Antibodies
Applications	WB,IHC,IF,IP,ChIP,ChIPseq	Observed MW	16kDa
Cross-Reactivity	Human,Mouse,Rat,Other (Wide Range)	Calculated MW	15kDa

Immunogen Information

Immunogen	A synthetic acetylated peptide corresponding to residues surrounding K27 of human Histone H3
Gene ID	8290
Swiss Prot	Q16695
Synonyms	H3.4,H3/g,H3FT,H3t

Product information

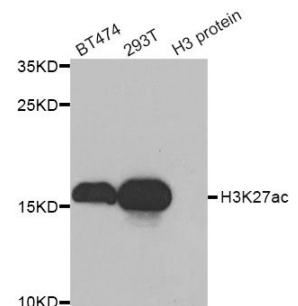
Source	Rabbit
Isotype	IgG
Purity	Affinity purification
Storage	Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Background

Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. 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	1:500 - 1:2000
IHC	1:50 - 1:200
IF	1:50 - 1:200
IP	1:50 - 1:200
ChIP	1:20 - 1:100
ChIPseq	1:20 - 1:100



Western blot analysis of extracts of various cell lines, using Acetyl-Histone H3-K27 antibody (A7253) 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.