

Acetyl-Histone H4-K8 pAb

Catalog No	A7258	Category	Acetylated Antibodies
Applications	WB,IHC,IF,IP,ChIP,ChIPseq	Observed MW	11kDa
Cross-Reactivity	Human,Mouse,Rat,Other (Wide Range)	Calculated MW	11kDa

Immunogen Information

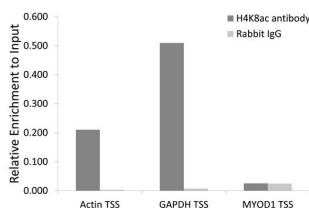
Immunogen	A synthetic peptide of human Acetyl-Histone H4-K8
Gene ID	8370
Swiss Prot	P62805
Synonyms	FO108,H4,H4/n,H4F2,H4FN,HIST2H4

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

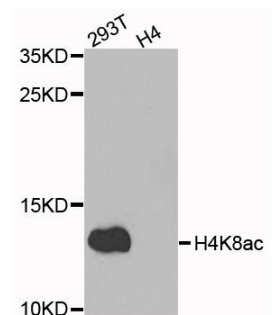
Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. This structure consists of approximately 146 bp of DNA wrapped around a nucleosome, an octamer composed of pairs of each of the four core histones (H2A, H2B, H3, and H4). The 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 H4 family. Transcripts from this gene lack polyA tails; instead, they contain a palindromic termination element. This gene is found in a histone cluster on chromosome 1. This gene is one of four histone genes in the cluster that are duplicated; this record represents the centromeric copy.



Chromatin immunoprecipitation analysis extracts of 293 cell line, using H4K8ac antibody (A7258) and rabbit IgG. The amount of immunoprecipitated DNA was checked by quantitative PCR. Histogram was constructed by the ratios of the immunoprecipitated DNA to the input.

Recommended Dilutions

WB	1:1000 - 1:3000
IHC	1:200 - 1:500
IF	1:500 - 1:1000
IP	1:200 - 1:500
CHIP	1:20 - 1:50
CHIPseq	1:20 - 1:50



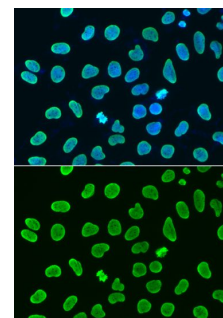
Western blot analysis of extracts of various cell lines, using Acetyl-Histone H4-K8 antibody (A7258) at 1:1000 dilution.

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 Enhanced Kit (RM00021).

Exposure time: 90s.



Immunofluorescence analysis of HeLa cells using Acetyl-Histone H4-K8 antibody (A7258). Blue: DAPI for nuclear staining.