

Acetyl-Histone H4-K5 pAb

Catalog No.	A15233	Category	Acetylated Antibodies
Applications	WB, IHC	Observed MW	11kDa
Cross-reactivity	Human, Mouse, Rat	Calculated MW	11kDa

Immunogen Information

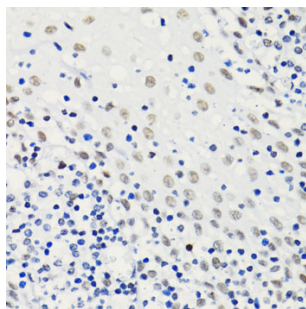
Immunogen	A synthetic acetylated peptide around K5 of human Histone H4 (NP_001029249.1).
Gene ID	8370
Swiss prot	P62805
Synonyms	FO108;H4;H4/n;H4F2;H4FN;HIST2H4

Product information

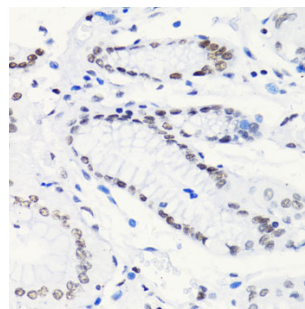
Source	Rabbit
Isotype	IgG
Purification method	Affinity purification
Storage	Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

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.



Immunohistochemistry of paraffin-embedded human tonsil using H4K5AC antibody (A15233) at dilution of 1:100 (40x lens).

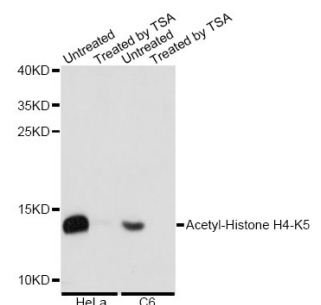


Immunohistochemistry of paraffin-embedded human stomach using H4K5AC antibody (A15233) at dilution of 1:100 (40x lens).

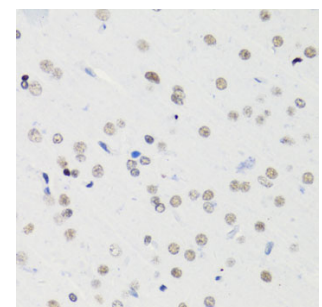
Recommended Dilutions

WB 1:500 -
1:2000

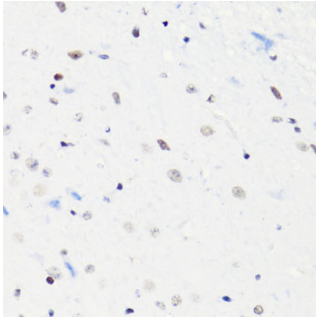
IHC 1:50 -
1:200



Western blot analysis of extracts of various cell lines, using Acetyl-Histone H4-K5 antibody (A15233) at 1:1000 dilution. HeLa cells were treated by TSA (1uM) for 18 hours. C6 cells were treated by TSA (1uM) for 18 hours. 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: 30s.



Immunohistochemistry of paraffin-embedded rat brain using H4K5AC antibody (A15233) at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded mouse brain using H4K5AC antibody (A15233) at dilution of 1:100 (40x lens).