Product Datasheet

Histone H4 (acetyl K5) Antibody

Catalog No: CY5313 Reactivity: Human Mouse Rat

Isotype: Rabbit IgG Applications: WB IHC ICC/IF IP

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Information

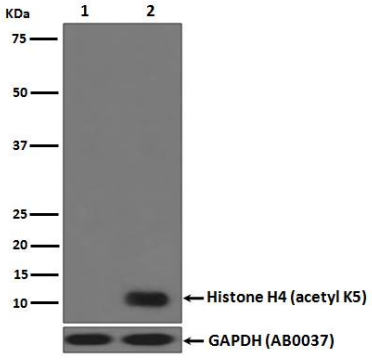
UniProt ID: P62805
All Names: H4F2; HIST; HIST1H4A; Histone H4.AC-H4K5;H4K5;
Form: Liquid
Storage instructions: Store at +4℃ short term. Store at -20℃ long term. Avoid freeze / thaw cycle.
Storage buffer: pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purity: Affinity-chromatography
Immunogen: A synthesized peptide
Molecular Wt.: 11 kDa

Application

WB: 1:1000~1:2000
IHC: 1:50~1:200
ICC/IF: 1:50~1:200
IP: 1:50

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 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.



Western blot analysis of Histone H4 (acetyl K5) expressi
on in (1) Untreated HeLa HeLa cell lysate; (2) TSA treat
ed HeLa cell lysate.