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Lactic acid-Histone H3-K18 Rabbit pAb

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Catalog No.: A18807 2 Publications

Basic Information

Observed MW

17kDa

Calculated MW

15kDa

Category

Mouse Monoclonal Antibody

Applications

WB, ELISA, DB

Cross-Reactivity

Human, Mouse, Rat, Other (Wide Range Predicted)

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 H3 family. Transcripts from this gene lack polyA tails; instead, they contain a palindromic termination element. This gene is found in the large histone gene cluster on chromosome 6p22-p21.3.

Recommended Dilutions

1:500 - 1:4000 DB

WB 1:500 - 1:2000

Immunogen Information

Swiss Prot Gene ID 8290/8350 Q16695/P68431

Immunogen

A synthetic lactylated peptide around K18 of human Histone H3 (NP_003520.1).

H3/A; H3C2; H3C3; H3C4; H3C6; H3C7; H3C8; H3FA; H3C10; H3C11; H3C12; HIST1H3A; Lactic acid-Histone H3-K18

Contact

• www.abclonal.com

Product Information

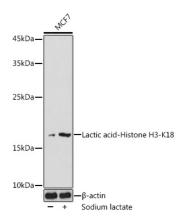
Source Isotype **Purification** Rabbit IgG Affinity purification

Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.01% thimerosal,50% glycerol,pH7.3.

Validation Data



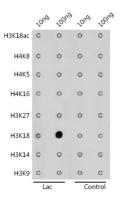
Western blot analysis of lysates from MCF7 cells, using Lactic acid-Histone H3-K18 Rabbit pAb (A18807) at 1:500 dilution.MCF7 cells were treated by Sodium lactate(100mM) for 24h.

Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane. Blocking buffer: 3% BSA.

Detection: ECL Basic Kit (RM00020).

Exposure time: 5min.



Dot-blot analysis of all sorts of peptides using Lactic acid-Histone H3-K18 antibody (A18807) at 1:1000 dilution.