



Histone H4 acetylated Monoclonal Antibody

Cat No: G01058 - 100 µL

General Data

Shipping: wet ice
Formulation: Liquid Ascite, does not contain any preservative therefore avoid repeat freezing and thawing cycles

Host: Mouse
Antigen: synthetic peptide: MSGRG(acetyl-K)GG(acetyl-K)GLG(acetyl-K)GGA(acetyl-K)RHRKVLRL(C) corresponding to aa 1 to 24 of human histone H4. This sequence is conserved in a wide range of species.

Clone: 2C2
Isotype: IgG1, κ

Application(s): ELISA
Western Blot
Immunoprecipitation
Immunofluorescence
Recommended dilutions: 1/500-1/5000

Specificity: Acetylated histone H4 at positions K5, K8, K12 or K16



Product Overview

Histone H4 is a structural component of the nucleosome and is subject to covalent modification including acetylation and methylation, which may alter expression of genes located on DNA associated with its parent histone octamer.

The Histone H4 clone 3HH-2C2 monoclonal recognize H4 when acetylated on at list on of the for Lysine residues K5, K8, K12 or K16.

Scientific Literature

Brand M, Moggs JG, Oulad-Abdelghani M, Lejeune F, Dilworth FJ, et al. (2001) UVdamaged DNA-binding protein in the TFIIIC complex links DNA damage recognition to nucleosome acetylation. *Embo J* 20: 3187-3196.

Dilworth FJ, Fromental-Ramain C, Yamamoto K, Chambon P. ATP-driven chromatin remodeling activity and histone acetyltransferases act sequentially during transactivation by RAR/RXR In vitro. *Mol Cell*. 2000. 6(5):1049-58

FP/03/24

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