

Histone H3(Acetyl-Lys9) Antibody

Catalog No: #12069

Package Size: #12069-1 50ul #12069-2 100ul

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Description

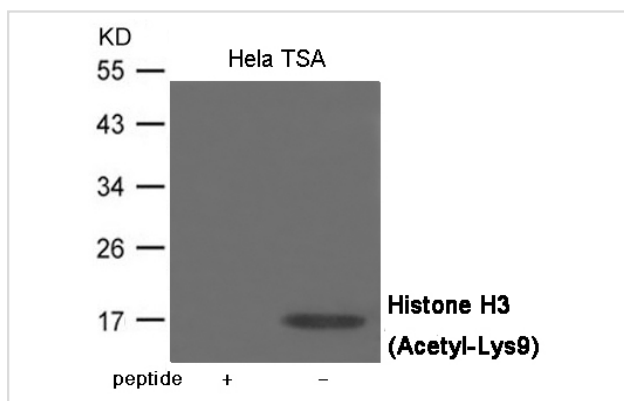
Product Name	Histone H3(Acetyl-Lys9) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic acetylpeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific acetylpeptide. Non-acetyl specific antibodies were removed by chromatography using non-acetylpeptide.
Applications	WB
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous level of Histone H3 only when acetylated at Lysine 9.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around acetylation site of Lysine 9(T-A-R(p)-K-S) derived from Human Histone H3.
Target Name	Histone H3
Modification	Acetyl
Other Names	H3/A, H3FA
Accession No.	Swiss-Prot#: P68431; NCBI Gene#: 8350; NCBI Protein#: NP_003529.1
Uniprot	P68431
GeneID	8350;8351;8352;8353;8354;8355;8356;8357;8358;8968;
SDS-PAGE MW	17kd
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C/1 year

Application Details

Predicted MW: 17kd

Western blotting: 1:500~1:1000

Images



Western blot analysis of extracts from HeLa cells treated with TSA using Histone H3(Acetyl-Lys9) Antibody #12069. The lane on the left is treated with the antigen-specific peptide.

Background

Core component of nucleosome. Nucleosomes wrap and compact DNA into chromatin, limiting DNA accessibility to the cellular machineries which require DNA as a template. Histones thereby play a central role in transcription regulation, DNA repair, DNA replication and chromosomal stability. DNA accessibility is regulated via a complex set of post-translational modifications of histones, also called histone code, and nucleosome remodeling.

Note: This product is for in vitro research use only