

## Histone H3(Acetyl-Lys9) Rabbit Polyclonal Antibody

Catalog No: #HW073

Package Size: #HW073 100ul

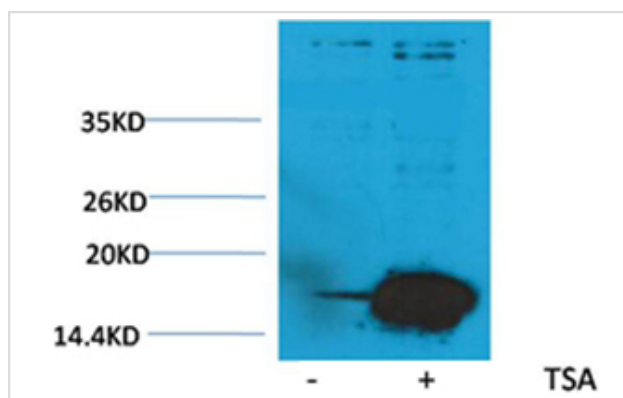
## Description

|                       |                                                                                                             |
|-----------------------|-------------------------------------------------------------------------------------------------------------|
| Product Name          | Histone H3(Acetyl-Lys9) Rabbit Polyclonal Antibody                                                          |
| Host Species          | Rabbit                                                                                                      |
| Clonality             | Polyclonal                                                                                                  |
| Purification          | Affinity purification using immunogen.                                                                      |
| Applications          | WB                                                                                                          |
| Species Reactivity    | Hu Rt Ms                                                                                                    |
| Specificity           | The Histone H3(Acetyl Lys9) Rabbit Polyclonal Antibody detects endogenous Histone H3 (Acetyl Lys9) protein. |
| Immunogen Type        | peptide                                                                                                     |
| Immunogen Description | A synthetic acetylated peptide corresponding to residues surrounding Lys9 of human histone H3.              |
| Conjugates            | Unconjugated                                                                                                |
| Target Name           | Histone H3(Acetyl-Lys9)                                                                                     |
| Modification          | Acetyl                                                                                                      |
| Other Names           | H3 histone antibody; HIST1H3A antibody; Histone cluster 1; H3a antibody                                     |
| Accession No.         | Swiss-Prot#:P68431                                                                                          |
| SDS-PAGE MW           | 17kd                                                                                                        |
| Concentration         | 1.0mg/ml                                                                                                    |
| Formulation           | PBS, pH 7.4, containing 0.02% sodium azide as Preservative and 50% Glycerol.                                |
| Storage               | Store at -20°C                                                                                              |

## Application Details

Western blotting: 1:500~1:1000

## Images



Western blot analysis of extracts from Hela cells, untreated (-) or treated with TSA (1 $\mu$ M, 18 hr; +), using #HW073 diluted at 1:1,000.

## Background

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Histone H3 is one of the five main histone proteins involved in the structure of chromatin in eukaryotic cells. 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.

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Note: This product is for in vitro research use only and is not intended for use in humans or animals.