

# Anti-Histone H3 (acetyl K4) HIST1H3A Rabbit Monoclonal Antibody Catalog # ABO14292

## **Specification**

## Anti-Histone H3 (acetyl K4) HIST1H3A Rabbit Monoclonal Antibody - Product Information

Application
Primary Accession
Host
Rabbit
Isotype
Reactivity
Clonality
Format

WB, IF, ICC
P68431
Rabbit
Rabbit
Rabbit
Rabbit
Human, Mouse
Monoclonal
Liquid

**Description** 

Anti-Histone H3 (acetyl K4) HIST1H3A Rabbit Monoclonal Antibody . Tested in WB, ICC/IF applications. This antibody reacts with Human, Mouse.

# Anti-Histone H3 (acetyl K4) HIST1H3A Rabbit Monoclonal Antibody - Additional Information

Gene ID 8350;8351;8352;8353;8354;8355;8356;8357;8358;8968

### **Other Names**

Histone H3.1, Histone H3/a, Histone H3/b, Histone H3/c, Histone H3/d, Histone H3/f, Histone H3/h, Histone H3/i, Histone H3/j, Histone H3/k, Histone H3/l, H3C1 (<a href="http://www.genenames.org/cgi-bin/gene\_symbol\_report?hgnc\_id=4766" target="\_blank">HGNC:4766</a>), H3FA, HIST1H3A

## Calculated MW 15404 MW KDa

## **Application Details**

WB 1:500-1:2000<br>ICC/IF 1:50-1:200

### **Subcellular Localization**

Nucleus. Chromosome.

#### **Contents**

Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.

### **Immunogen**

A synthesized peptide derived from human Histone H3 (acetyl K4)

# **Purification**

Affinity-chromatography

Storage

Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated



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## freeze-thaw cycles.

## Anti-Histone H3 (acetyl K4) HIST1H3A Rabbit Monoclonal Antibody - Protein Information

Name H3C1 (<u>HGNC:4766</u>)

Synonyms H3FA, HIST1H3A

## **Function**

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.

#### **Cellular Location**

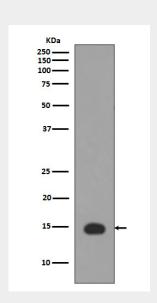
Nucleus. Chromosome.

# Anti-Histone H3 (acetyl K4) HIST1H3A Rabbit Monoclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

# Anti-Histone H3 (acetyl K4) HIST1H3A Rabbit Monoclonal Antibody - Images



Western blot analysis of Histone H3 (acetyl K4) expression in HeLa+TSA cell lysate.