



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

[mail@szabo-scandic.com](mailto:mail@szabo-scandic.com)

[www.szabo-scandic.com](http://www.szabo-scandic.com)

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

# Anti-Histone H3 Antibody (Tri Methyl Lys9) [2C3]

Mouse Anti-Human Histone H3 (tri Methyl Lys9) Monoclonal  
IgG1  
Catalog No. SMC-254



## Overview

---

### Product Name

Histone H3 Antibody (tri Methyl Lys9)

### Description

Mouse Anti-Human Histone H3 (tri Methyl Lys9) Monoclonal IgG1

### Species Reactivity

Human, Mouse, Rat

### Applications

WB

### Antibody Dilution

WB (1:1000); optimal dilutions for assays should be determined by the user.

### Host Species

Mouse

### Immunogen Species

Human

### Immunogen

Prepared by immunizing synthetic peptide coupled to KLH.

### Conjugates

Alkaline Phosphatase, APC, ATTO 390, ATTO 488, ATTO 565, ATTO 594, ATTO 633, ATTO 655, ATTO 680, ATTO 700, Biotin, FITC, HRP, PE/ATTO 594, PerCP, RPE, Streptavidin, Unconjugated

## Properties

---

### Storage Buffer

PBS (without Mg<sup>2+</sup> and Ca<sup>2+</sup>), 50% glycerol, pH 7.4, 150mM NaCl, 0.02% sodium azide

### Storage Temperature

-20°C

### Shipping Temperature

Blue Ice or 4°C

### Clonality

Monoclonal

---

**Clone Number**

2C3

---

**Isotype**

IgG1

---

**Specificity**

Detects endogenous Histone H3 (tri methyl K9) protein.

---

**Cite This Product**

Mouse Anti-Human Histone H3 Monoclonal, Clone 2C3 (StressMarq Biosciences Inc., Victoria BC CANADA, Catalog # SMC-254)

---

**Certificate Of Analysis**

A 1:1000 dilution of SMC-254 was sufficient for detection of Histone H3 in 10 µg of Human, Rat, Mouse HeLa, Testis Tissue, Raw 264.7 cell lysates by ECL immunoblot analysis using Goat Anti-Mouse IgG:HRP as the secondary antibody.

---

**Biological Description**

---

**Alternative Names**

H3 histone family, member A Antibody, H3/A Antibody, H31\_HUMAN Antibody, H3FA Antibody, Hist1h3a Antibody, histone 1 H3a Antibody, Histone cluster 1 H3a Antibody, Histone H3.1 Antibody

---

**Cellular Localization**

Chromosome, Nucleus

---

**Swiss Prot**

P68431/Q71DI3/P84243

---

**Scientific Background**

Histone H3 is a 17 kD nuclear protein that is a component of an octamer containing pairs of each of four core histones (H2A, H2B, H3, H4). The core histones create nucleosome structure of chromosomal fiber in eukaryotes and are dynamic in gene regulation. The histones exhibit cell cycle-dependent transcriptional regulation except for the variant H3.3 which is cell cycle-independent. Histone H3 can be modified by phosphorylation, acetylation, ubiquitination, ribosylation, and methylation. Histone H3 has been shown to interact with Rsk-2, MSK1, GCN5 family of HATs, HDACs, PARP, SET7/9, and CARM1. Histones play a central role in transcription regulation, DNA repair, DNA replication and chromosomal stability.

---

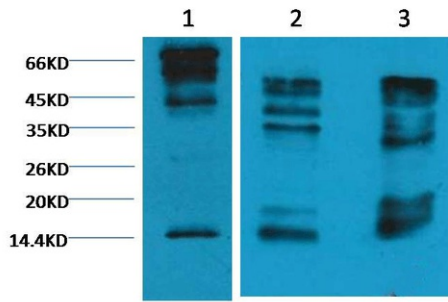
**References**

1. Wu R., et al. (1981) Cell. 27:321.
  2. Strahl B., et al. (2000) Nature. 403:41.
  3. Bauer U., et al. (2002) EMBO Rep. 3:39.
  4. Frank D., et al. (2003) Gene. 312:135.
- 

**Product Images**

---

Western Blot analysis of Human, Rat, Mouse HeLa, Testis Tissue, Raw 264.7 cell lysates showing detection of ~15 kDa Histone H3 protein using Mouse Anti-Histone H3 Monoclonal Antibody, Clone 2C3 (SMC-254). Lane 1: Human HeLa. Lane 2: Rat Testis Tissue. Lane 3: Mouse Raw 264.7.. Primary Antibody: Mouse Anti-Histone H3 Monoclonal Antibody (SMC-254) at 1:1000. Predicted/Observed Size: ~15 kDa.



## Product Citations (0)

---

Currently there are no citations for this product.

## Reviews

---

There are no reviews yet.