



# Histone 3.1 Mouse Monoclonal Antibody

**Cat. Number:** UM4005  
**For Research Only**

## Description:

<b>Synonyms:</b>	Histone3.1
<b>Immunogen:</b>	Full-length human Histone 3.1 protein
<b>Specificity:</b>	Human, Rat, Mouse, Fruit fly
<b>Host Species:</b>	mouse
<b>Ig Isotype:</b>	Mouse IgG1
<b>Purification:</b>	Protein A or G purified
<b>Applications:</b>	WB (1: 1000-1: 10000) , IHC(1:200), IF(1:200)
<b>Band size:</b>	15KD

## Formulation and Storage:

<b>Formulation:</b>	Liquid
<b>Storage:</b>	-20°C or lower

## Background:

Histones are the structural scaffold for the organization of nuclear DNA into chromatin. Four core histones, H2A, H2B, H3, and H4, are the major components of nucleosome which is the primary building block of chromatin. The histone proteins play essential structural and functional roles in the transition between active and inactive chromatin states. Histone H3.1, an H3 variant that has thus far only been found in mammals, is replication dependent and is associated with gene activation and gene silencing.

## Image:

M	1	2	3	4	5
---	---	---	---	---	---



Lane1: Mouse lung tissue protein lysate

Lane2:

Histone3.1 antibody (UM4005) at 1:5000 dilutions

Product Name	Format	Size	Cat. #
Anti V5-Tag Mouse mAb	Mouse mAb	100µl	UM3001
Anti GFP-Tag Mouse mAb	Mouse mAb	100µl	UM3002
Anti RFP- Tag Mouse mAb	Mouse mAb	100µl	UM3003
Anti HA-Tag Mouse mAb	Mouse mAb	100µl	UM3004
Anti GST-Tag Mouse mAb	Mouse mAb	100µl	UM3005
Anti His-Tag Mouse mAb	Mouse mAb	100µl	UM3006
Anti VSV-G-Tag Mouse mAb	Mouse mAb	100µl	UM3007
Anti MBP-Tag Mouse mAb	Mouse mAb	100µl	UM3008
Anti Flag -Tag Mouse mAb	Mouse mAb	100µl	UM3009
Anti T7-Tag Mouse mAb	Mouse mAb	100µl	UM3010
Anti c-Myc-Tag Mouse mAb	Mouse mAb	100µl	UM3011
Anti HSV-Tag Mouse mAb	Mouse mAb	100µl	UM3012
Anti E2-Tag Mouse mAb	Mouse mAb	100µl	UM3013
Anti S1-Tag Mouse mAb	Mouse mAb	100µl	UM3014
Anti Tag-100-Tag Mouse mAb	Mouse mAb	100µl	UM3016
Anti mCherry-Tag Mouse mAb	Mouse mAb	100µl	UM3017
Anti HPC4- Tag Mouse mAb	Mouse mAb	100µl	UM3018
Anti Sumo- Tag Mouse mAb	Mouse mAb	100µl	UM3019
Anti CBP-Tag Mouse mAb	Mouse mAb	100µl	UM3020

Product Name	Format	Size	Cat. #
β-Actin Mouse mAb	Mouse mAb	100µl	UM4001
GAPDH Mouse mAb	Mouse mAb	100µl	UM4002
β-Tubulin Mouse mAb	Mouse mAb	100µl	UM4003
Plant Actin Mouse mAb	Mouse mAb	100µl	UM4004
Histone3.1 Mouse mAb	Mouse mAb	100µl	UM4005
α-Actin Mouse mAb	Mouse mAb	100µl	UM4006
α-Tubulin Mouse mAb	Mouse mAb	100µl	UM4007
COX IV Mouse mAb	Mouse mAb	100µl	UM4008
PCNA Mouse mAb	Mouse mAb	100µl	UM4009
VDAC1 Mouse mAb	Mouse mAb	100µl	UM4010

Product Name	Format	Size	Cat. #
Goat anti-Rabbit IgG(H+L)-HRP	Polyclonal	100µl	UT2001
Goat anti-Mouse IgG(H+L)-HRP	Polyclonal	100µl	UT2003
Goat anti-Human IgG(H+L)-HRP	Polyclonal	100µl	UT2005