

Datasheet for ABIN7261231

**anti-Histone 3 antibody (2meLys14)****6** Images[Go to Product page](#)

## Overview

Quantity:	200 µL
Target:	Histone 3 (H3)
Binding Specificity:	2meLys14
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Histone 3 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF)

## Product Details

Immunogen:	A synthetic peptide of human DiMethyl-Histone H3-K14
Isotype:	IgG
Characteristics:	Methylated antibody
Purification:	Affinity purification

## Target Details

Target:	Histone 3 (H3)
Alternative Name:	Histone H3 ( <a href="#">H3 Products</a> )
Background:	Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. Nucleosomes consist of approximately 146 bp of DNA

## Target Details

wrapped around a histone octamer composed of pairs of each of the four core histones (H2A, H2B, H3, and H4). The chromatin fiber is further compacted through the interaction of a linker histone, H1, with the DNA between the nucleosomes to form higher order chromatin structures. This gene is intronless and encodes a replication-dependent histone that is a member of the histone H3 family. Transcripts from this gene lack polyA tails, instead, they contain a palindromic termination element. This gene is located separately from the other H3 genes that are in the histone gene cluster on chromosome 6p22-p21.3.

Molecular Weight:      Observed\_MW: 16 kDa  
Calculated\_MW: 15 kDa

Gene ID:                    8290

UniProt:                   [Q16695](#)

## Application Details

Application Notes:      WB 1:500-1:2000 IHC 1:50-1:200 IF 1:50-1:200

Restrictions:             For Research Use only

## Handling

Format:                    Liquid

Concentration:           1 mg/mL

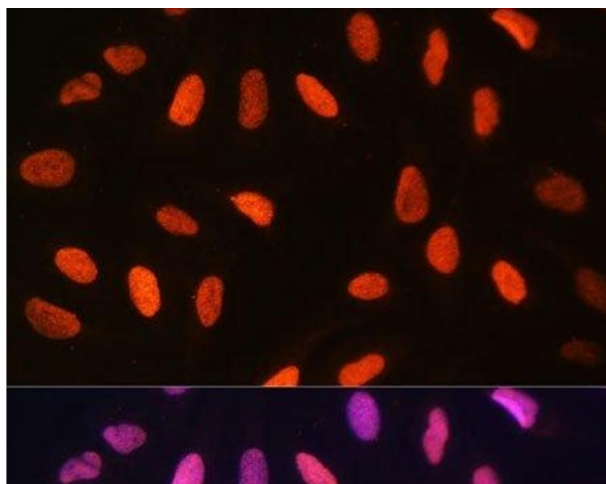
Buffer:                    PBS with 0.02 % sodium azide, 50 % glycerol, pH 7.3

Preservative:            Sodium azide

Precaution of Use:      This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

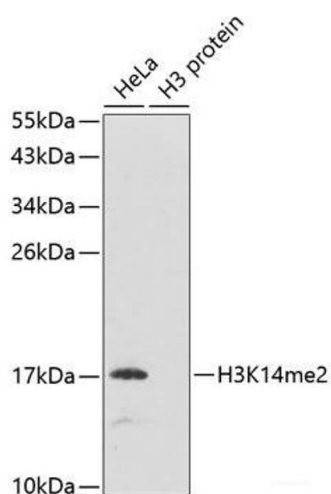
Storage:                   -20 °C

Storage Comment:      Store at -20°C. Avoid freeze / thaw cycles.



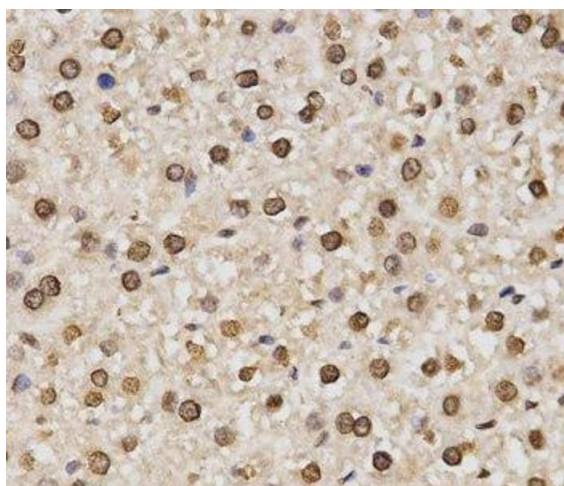
#### Immunofluorescence

**Image 1.** Immunofluorescence analysis of U-2 OS cells using DiMethyl-Histone H3-K14 Polyclonal Antibody at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



#### Western Blotting

**Image 2.** Western blot analysis of extracts of various cell lines using DiMethyl-Histone H3-K14 Polyclonal Antibody.



#### Immunohistochemistry (Paraffin-embedded Sections)

**Image 3.** Immunohistochemistry of paraffin-embedded Rat liver using DiMethyl-Histone H3-K14 Polyclonal Antibody at dilution of 1:200 (40x lens).

Please check the [product details page](#) for more images. Overall 6 images are available for ABIN7261231.