# Histone H3K4me2 Polyclonal Antibody

Catalog No: #HW002

Package Size: #HW002-1 50ul   #HW002-2 100ul

## Description

| | |
|---|---|
| Product Name | Histone H3K4me2 Polyclonal Antibody |
| Host Species | Rabbit |
| Clonality | Polyclonal |
| Isotype | IgG |
| Purification | Affinity purification |
| Applications | WB,IF |
| Species Reactivity | Human,Mouse,Rat |
| Immunogen Type | Peptide |
| Immunogen Description | A synthetic methylated peptide of human histone H3 |
| Target Name | Histone H3 |
| Modification | Methyl |
| Other Names | H3.4;H3/g;H3FT;H3t;HIST3H3;Histone H3;HIST1H3A |
| Accession No. | Uniprot:Q16695GeneID:8290 |
| Uniprot | Q16695 |
| GeneID | 8290 |
| SDS-PAGE MW | 17KDa |
| Concentration | 1.0mg/ml |
| Formulation | PBS with 0.02% sodium azide,50% glycerol,pH7.3. |
| Storage | Store at -20°C. Avoid freeze / thaw cycles. |

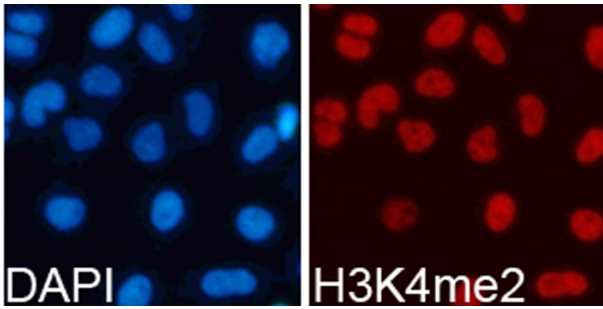## Application Details

WB   1:500 - 1:2000IF   1:50 - 1:200

## Images
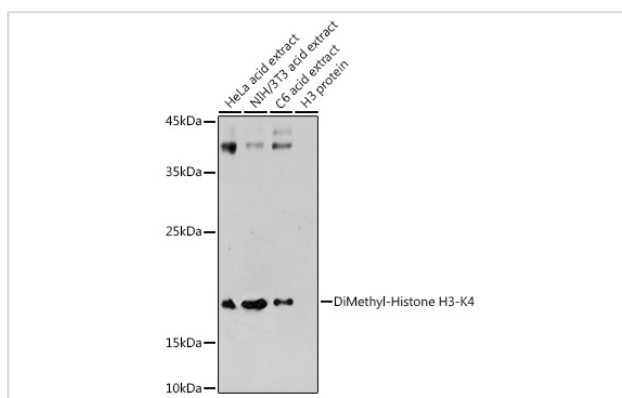


Western blot analysis of extracts of various cell lines, using DiMethyl-Histone H3-K4 antibody.
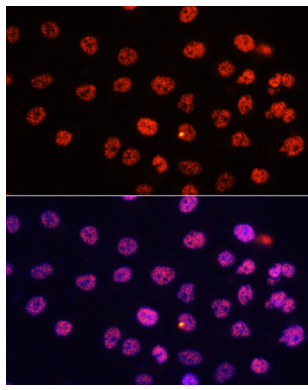
Immunofluorescence analysis of HeLa cells using DiMethyl-Histone H3-K4 antibody.



Immunofluorescence analysis of 293T cells using DiMethyl-Histone H3-K4 antibody.

## 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 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.

Note: This product is for in vitro research use only