

## Histone H4K20me2 Polyclonal Antibody

Catalog No: #HW032

Package Size: #HW032-1 50ul #HW032-2 100ul

Orders: [order@signalwayantibody.com](mailto:order@signalwayantibody.com)Support: [tech@signalwayantibody.com](mailto:tech@signalwayantibody.com)

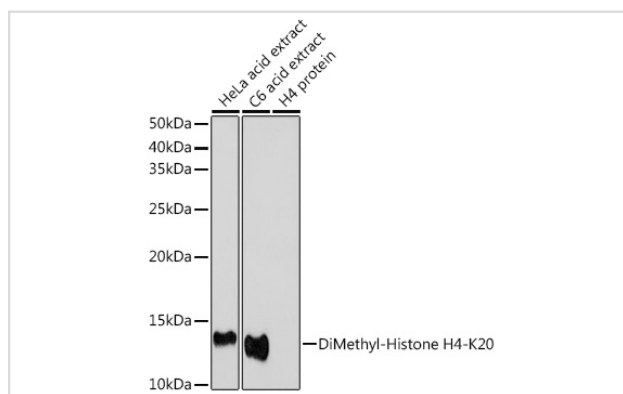
## Description

|                       |                                                              |
|-----------------------|--------------------------------------------------------------|
| Product Name          | Histone H4K20me2 Polyclonal Antibody                         |
| Host Species          | Rabbit                                                       |
| Clonality             | Polyclonal                                                   |
| Isotype               | IgG                                                          |
| Purification          | Affinity purification                                        |
| Applications          | WB,IHC,IF                                                    |
| Species Reactivity    | Human;Mouse;Rat                                              |
| Immunogen Type        | Peptide                                                      |
| Immunogen Description | A synthetic methylated peptide of human histone H4           |
| Conjugates            | Unconjugated                                                 |
| Target Name           | Histone H4                                                   |
| Modification          | Methyl                                                       |
| Other Names           | FO108;H4;H4/n;H4F2;H4FN;HIST2H4;Histone H4;HIST1H4A;HIST2H4A |
| Accession No.         | Uniprot:P62805GeneID:8370                                    |
| SDS-PAGE MW           | 11KDa                                                        |
| Concentration         | 1.0mg/ml                                                     |
| Formulation           | PBS with 0.02% sodium azide,50% glycerol,pH7.3.              |
| Storage               | Store at -20°C. Avoid freeze / thaw cycles.                  |

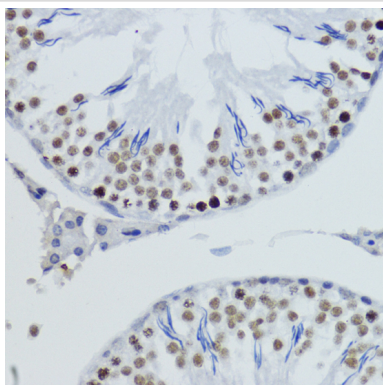
## Application Details

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

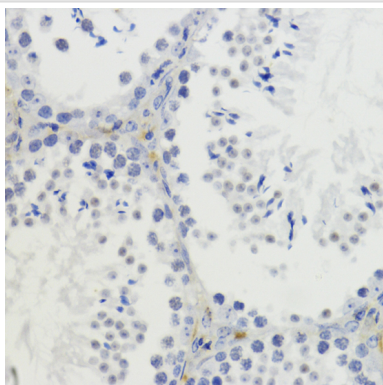
## Images



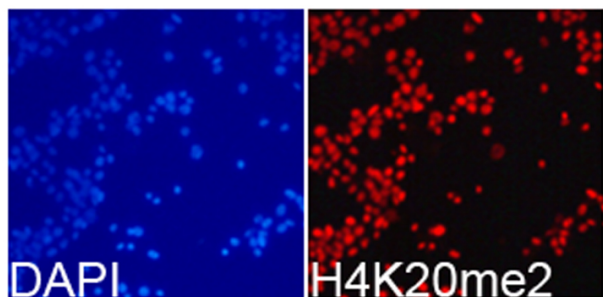
Western blot analysis of extracts of various cell lines, using DiMethyl-Histone H4-K20 antibody.



Immunohistochemistry of paraffin-embedded rat testis using DiMethyl-Histone H4-K20 antibody.



Immunohistochemistry of paraffin-embedded mouse testis using DiMethyl-Histone H4-K20 antibody.



Immunofluorescence analysis of 293T cells using DiMethyl-Histone H4-K20 antibody.

## Background

Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. This structure consists of approximately 146 bp of DNA wrapped around a nucleosome, an 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 H4 family. Transcripts from this gene lack polyA tails; instead, they contain a palindromic termination element. This gene is found in a histone cluster on chromosome 1. This gene is one of four histone genes in the cluster that are duplicated; this record represents the centromeric copy.

Note: This product is for in vitro research use only and is not intended for use in humans or animals.