

## Histone H4R3me2s Polyclonal Antibody

Catalog No: #ABHW027

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## Description

Product Name	Histone H4R3me2s Polyclonal Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits and were purified by antigen affinity-chromatography.
Applications	WB IHC IF
Species Reactivity	Hu Ms Rt
Immunogen Type	Peptide
Immunogen Description	A synthetic peptide corresponding to the amino terminus of histone H4 in which Arg3 is di-methylated.
Target Name	Histone H4
Modification	R3me2s
Other Names	H4; H4/n; H4F2; H4FN; FO108; HIST2H4
Accession No.	Gene ID: 8290 Swiss Prot: Q16695
SDS-PAGE MW	11kDa
Concentration	1.0mg/ml
Formulation	Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Storage	Store at -20°C or -80°C. Avoid freeze / thaw cycles.

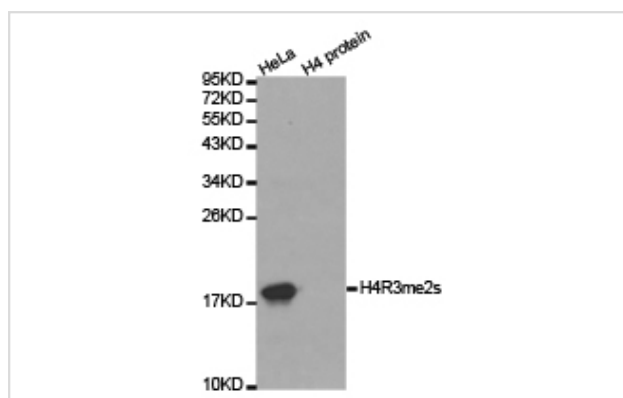
## Application Details

WB 1:500 - 1:2000

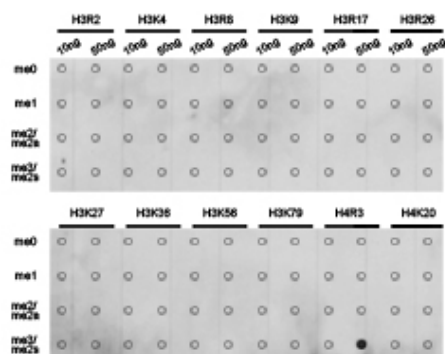
IHC 1:50 - 1:200

IF 1:50 - 1:200

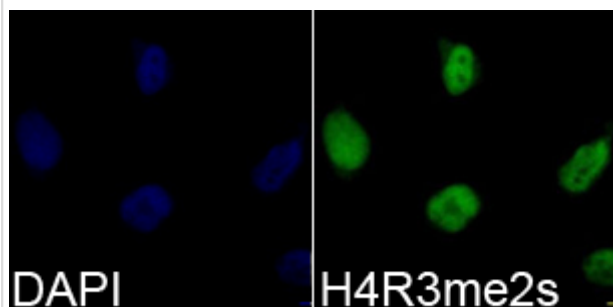
## Images



Western blot analysis of extracts of HeLa cell line and H4 protein expressed in E.coli., using H4R3me2s antibody.



Dot-blot analysis of all sorts of methylation peptides using H4R3me2s antibody.



Immunofluorescence analysis of 293T cells using H4R3me2s antibody. Blue: DAPI for nuclear staining.

## 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 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.