

Histone H4R3me1 Polyclonal Antibody

Catalog No: #ABHW026

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Description

Product Name	Histone H4R3me1 Polyclonal Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits and were purified by antigen affinity-chromatography.
Applications	WB IF IP
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 mono-methylated.
Target Name	Histone H4
Modification	R3me1
Other Names	H4; H4/n; H4F2; H4FN; FO108; HIST2H4
Accession No.	Gene ID: 8290 Swiss Prot: # P62805
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.

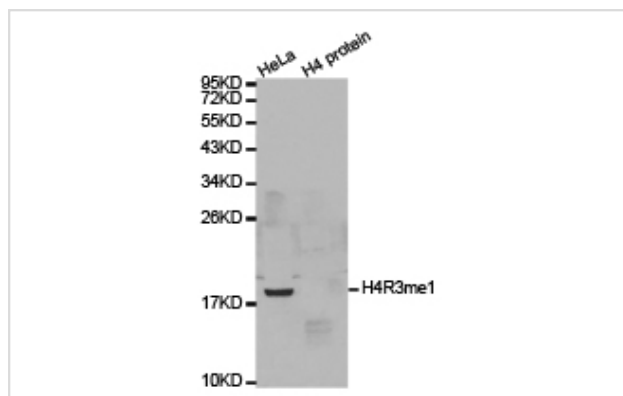
Application Details

WB 1:500 - 1:2000

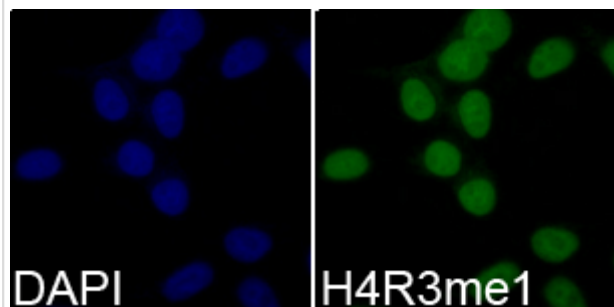
IF 1:50 - 1:200

IP 1:50 - 1:200

Images



Western blot analysis of extracts of HeLa cell line and H4 protein expressed in E.coli., using H4R3me1 antibody.



Immunofluorescence analysis of 293T cell using H4R3me1 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.