

#HW031

Histone H4K20me1 Polyclonal Antibody



Catalog: HW031 100µl **Orders:** order@signalwayantibody.com
Storage: Store at -20°C or -80°C. **Support:** tech@signalwayantibody.com
 Avoid freeze / thaw cycles. **Web:** www.sabbiotech.com

Application	Species Reactivity	Source	Molecular Wt.
WB IF IP CHIP	Hu Mu Rt Other(Wide range)	Rabbit Polyclonal Ab	11kDa

Description: Antibodies were produced by immunizing rabbits and were purified by antigen affinity-chromatography.

Application:

Immunogen: A synthetic peptide corresponding to the amino terminus of histone H4 in which Lys20 is mono-methylated.

Recommended Dilutions:

WB 1:500 - 1:2000

IF 1:50 - 1:200

IP 1:50 - 1:200

CHIP 1:50 - 1:200

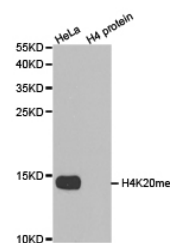
Formulation: Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Synonyms: H4; H4/n; H4F2; H4FN; FO108; HIST2H4

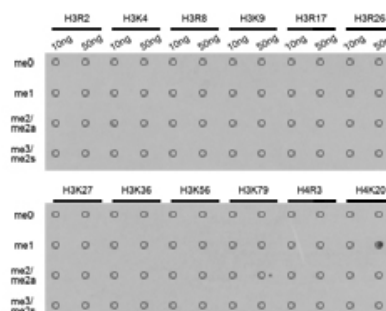
Accession No.: Gene ID: 8290 Swiss Prot: Q16695

Background:

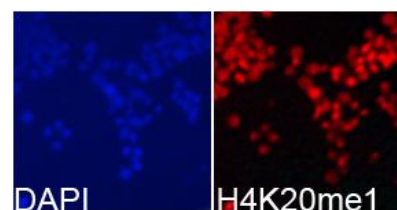
Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. This structure consists of approximately 146 bp of DNA wrapped around a nucleosome, an octamer composed of pairs of each of the four core histones (H2A, H2B, H3, and H4). The 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.



Western blot analysis of extracts of HeLa cell line and H4 protein expressed in E.coli., using H4K20me1 antibody.



Dot-blot analysis of all sorts of methylation peptides using H4K20me1 antibody.



Immunofluorescence analysis of 293T cell using H4K20me1 antibody. Blue: DAPI for nuclear staining.

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