

DiMethyl-Histone H4-K20 pAb

Catalog No: tcba7464



Available Sizes

Size: 50ul

Size: 100ul

Size: 200ul



Specifications

Application:

WB,IHC,IF,IP,ChIP,ChIPseq

Research Area:

,Epigenetics,

Species Reactivity:

Human,Mouse,Rat,Other (Wide Range)

Host Species:

Rabbit

Isotype:

IgG

Form:

Liquid

Storage Buffer:

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

Recommended Dilution:

WB 1:500 - 1:2000

IHC 1:50 - 1:200

IF 1:50 - 1:200

IP 1:50 - 1:200

ChIP 1:20 - 1:100

CHIPseq 1:20 - 1:100

Storage Instruction:

Store at -20°C. Avoid freeze / thaw cycles.

Alternative Names:

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

SwissProt:

P62805

Gene ID:

8370 (human);

Calculated Molecular Weight:

11kDa

Purification:

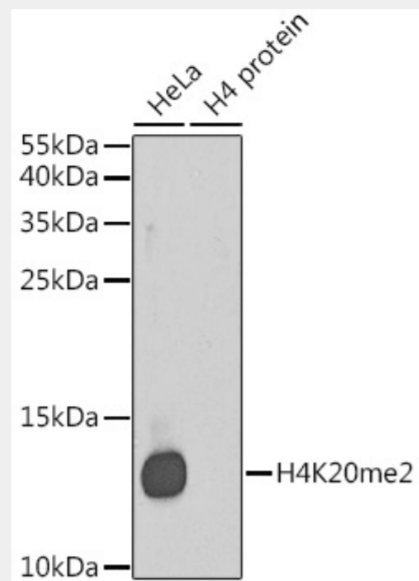
Affinity purification

Cellular Location:

Chromosome,Nucleus,

Product Description

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.

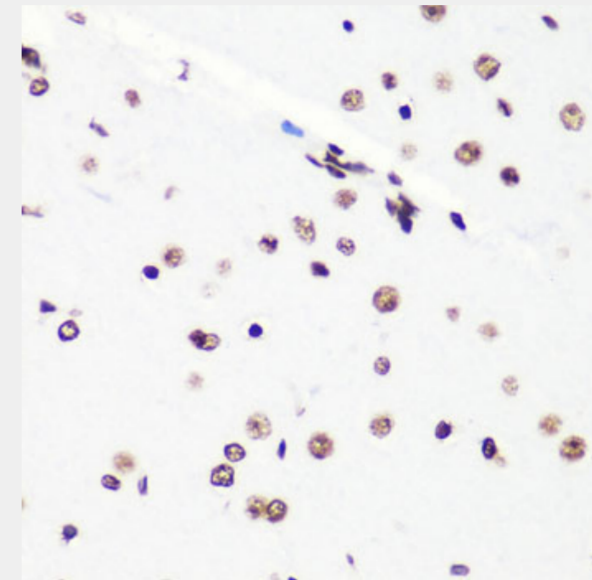


Western blot analysis of extracts of various cell lines, using DiMethyl-Histone H4-K20 antibody.

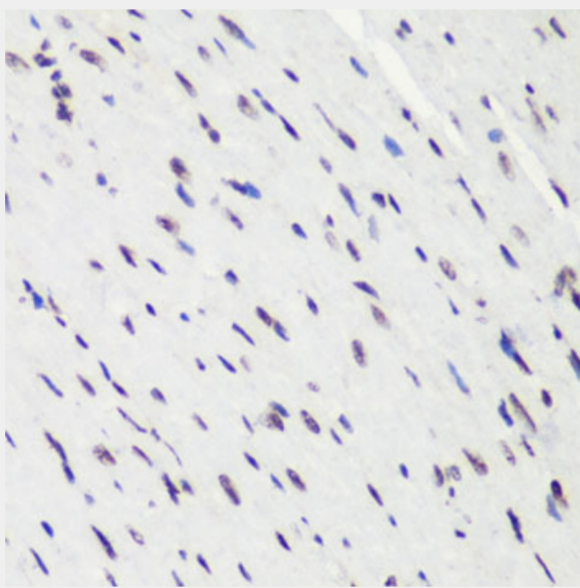
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution.

Lysates/proteins: 25ug per lane.

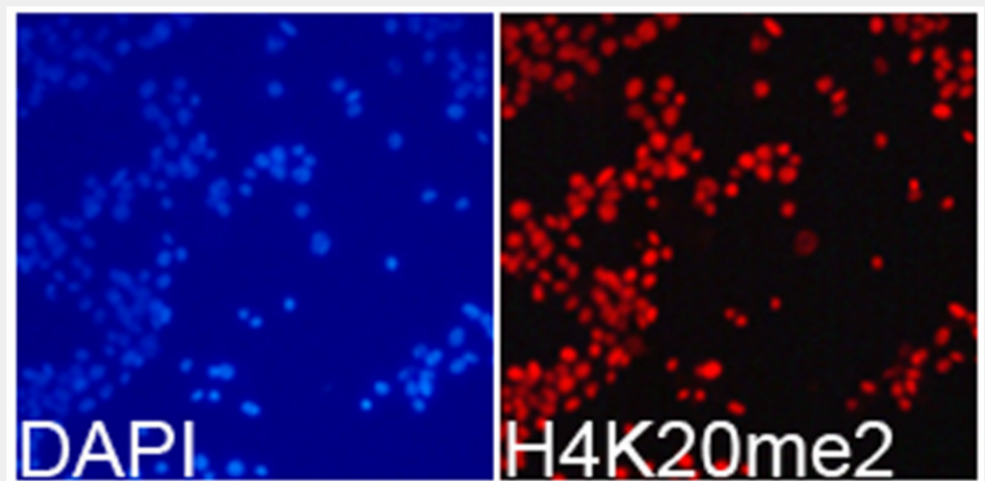
Blocking buffer: 3% nonfat dry milk in TBST.



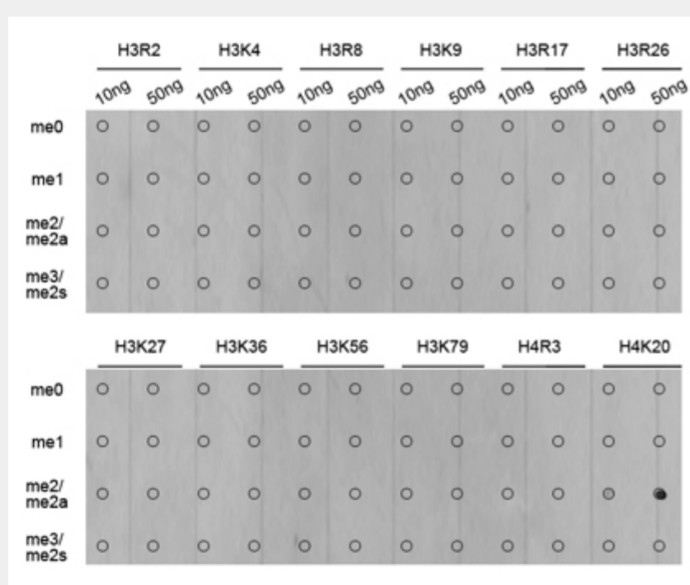
Immunohistochemistry of paraffin-embedded mouse brain using H4K20me2 antibody at dilution of 1:100 (40x lens).



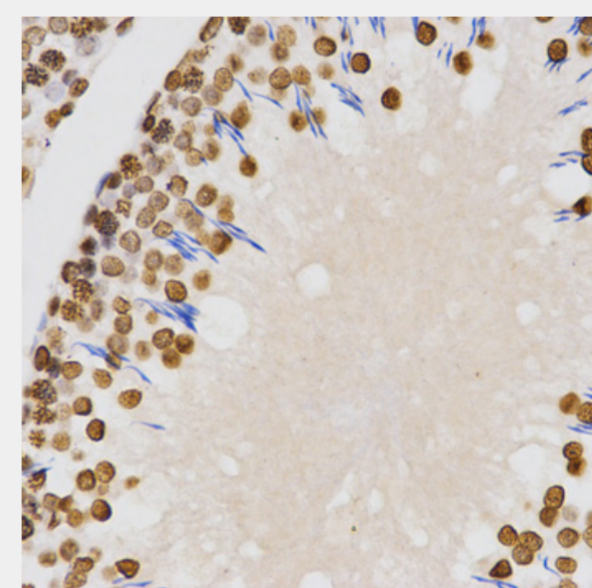
Immunohistochemistry of paraffin-embedded mouse heart using H4K20me2 antibody at dilution of 1:100 (40x lens).



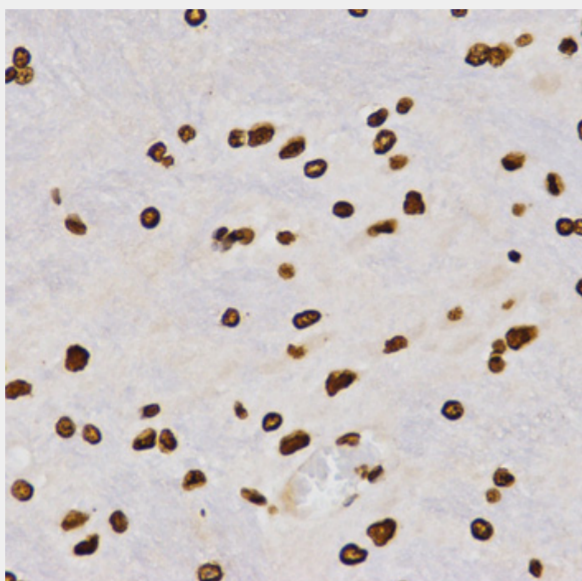
Immunofluorescence analysis of 293T cells using DiMethyl-Histone H4-K20 antibody. Blue: DAPI for nuclear staining.



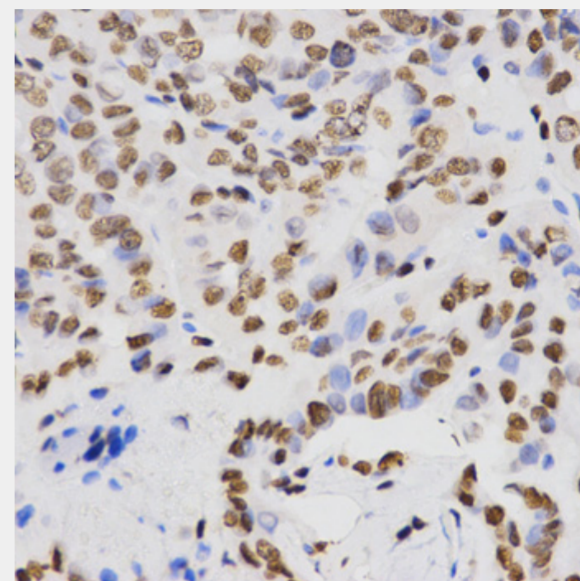
Dot-blot analysis of all sorts of methylation peptides using DiMethyl-Histone H4-K20 antibody.



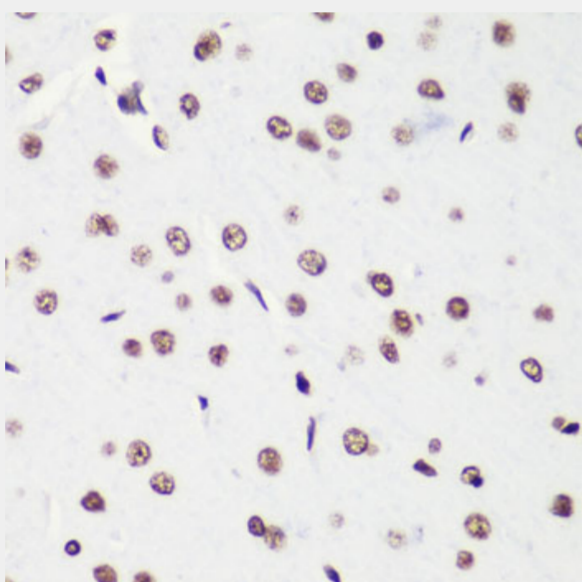
Immunohistochemistry of paraffin-embedded rat testis using DiMethyl-Histone H4-K20 antibody at dilution of 1:200 (40x lens).



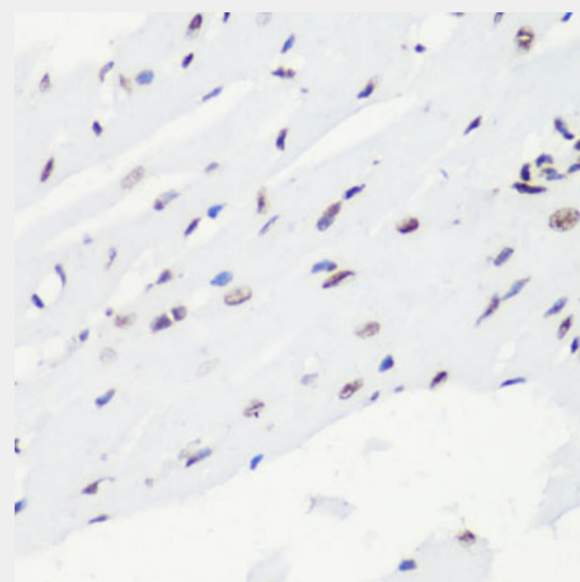
Immunohistochemistry of paraffin-embedded rat brain using DiMethyl-Histone H4-K20 antibody at dilution of 1:200 (40x lens).



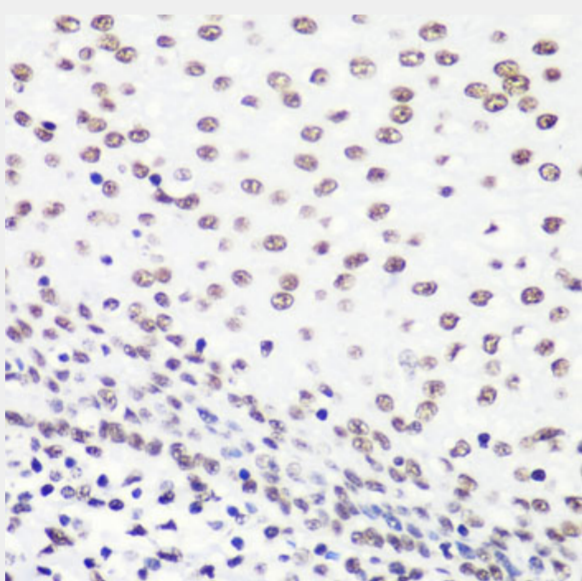
Immunohistochemistry of paraffin-embedded human thyroid cancer using DiMethyl-Histone H4-K20 antibody at dilution of 1:200 (40x lens).



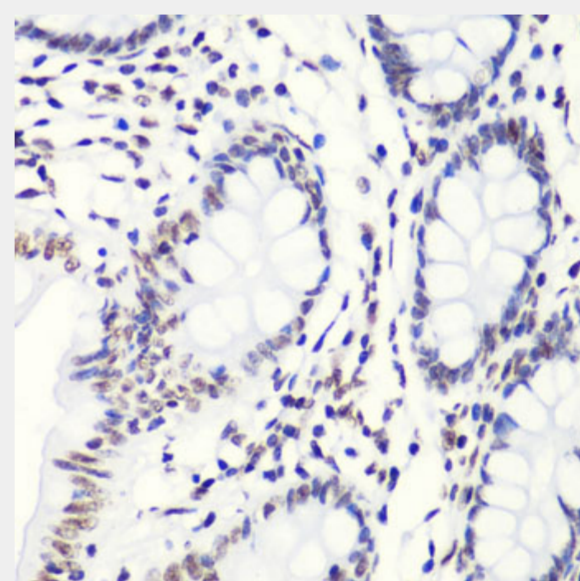
Immunohistochemistry of paraffin-embedded rat brain using H4K20me2 antibody at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded rat heart using H4K20me2 antibody at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded human tonsil using H4K20me2 antibody at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded human colon using H4K20me2 antibody at dilution of 1:100 (40x lens).

All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!