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DiMethyl-Histone H4-K20 Rabbit mAb

Catalog No.: A22269 Recombinant

Basic Information

Observed MW
11kDa

Calculated MW
11kDa

Category
Primary antibody

Applications
ELISA,DB,WB,IHC-P

Cross-Reactivity
Human, Mouse, Rat, Other (Wide Range Predicted)

CloneNo number
ARC55059

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.

Recommended Dilutions

DB	1:500 - 1:1000
WB	1:500 - 1:1000
IHC-P	1:1000 - 1:5000

Immunogen Information

Gene ID
8359

Swiss Prot
P62805

Immunogen
A synthetic dimethylated peptide around K20 of human Histone H4 (NP_003539.1).

Synonyms
H4; H4/n; H4C1; H4C2; H4C3; H4C4; H4C5; H4C6; H4C8; H4C9; H4F2; H4FN; FO108; H4-16; H4C11; H4C12; H4C13; H4C15; H4C16; HIST2H4; HIST2H4A; DiMethyl-Histone H4-K20

Contact

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Product Information

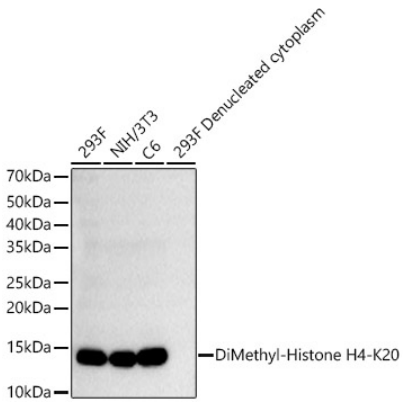
Source
Rabbit

Isotype
IgG

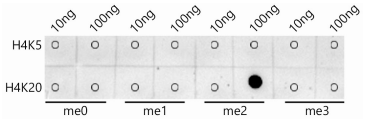
Purification
Affinity purification

Storage
Store at -20℃. Avoid freeze / thaw cycles.
Buffer: PBS with 0.05% proclin300,0.05% BSA,50% glycerol,pH7.3.

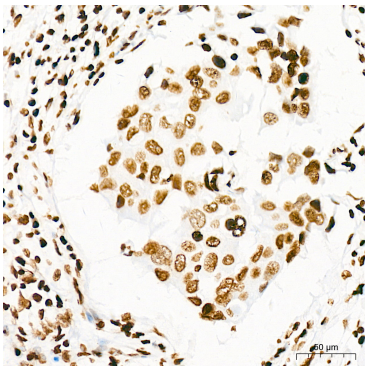
Validation Data



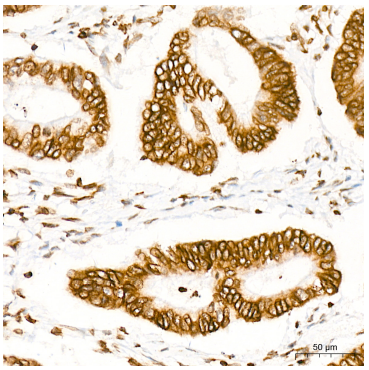
Western blot analysis of various lysates, using DiMethyl-Histone H4-K20 Rabbit mAb (A22269) at1:1000 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 15s.



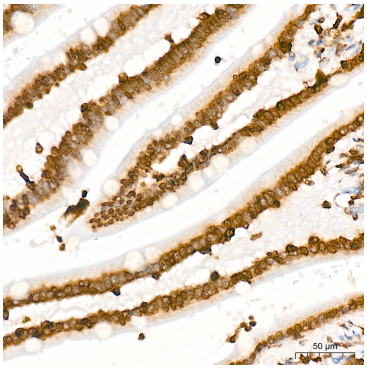
Dot-blot analysis of all sorts of peptides using DiMethyl-Histone H4-K20 Rabbit mAb antibody (A22269) at 1:1000 dilution.



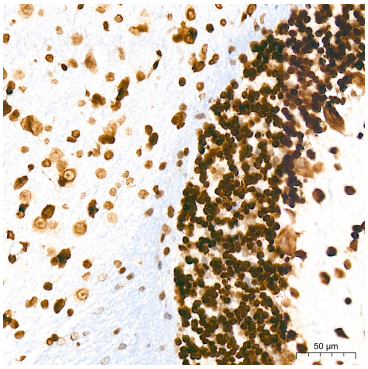
Immunohistochemistry analysis of DiMethyl-Histone H4-K20 in paraffin-embedded human breast cancer tissue using DiMethyl-Histone H4-K20 Rabbit mAb (A22269) at a dilution of 1:1500 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



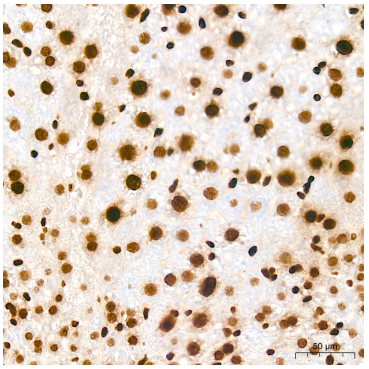
Immunohistochemistry analysis of DiMethyl-Histone H4-K20 in paraffin-embedded human colon carcinoma tissue using DiMethyl-Histone H4-K20 Rabbit mAb (A22269) at a dilution of 1:1500 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of DiMethyl-Histone H4-K20 in paraffin-embedded human small intestine tissue using DiMethyl-Histone H4-K20 Rabbit mAb (A22269) at a dilution of 1:1500 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.

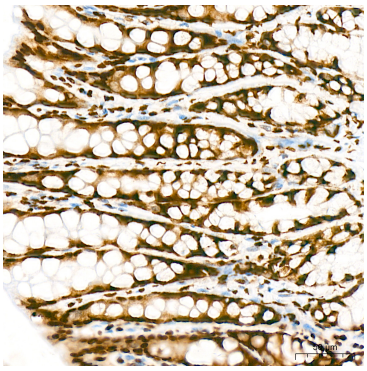


Immunohistochemistry analysis of DiMethyl-Histone H4-K20 in paraffin-embedded mouse brain tissue using DiMethyl-Histone H4-K20 Rabbit mAb (A22269) at a dilution of 1:1500 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of DiMethyl-Histone H4-K20 in paraffin-embedded mouse liver tissue using DiMethyl-Histone H4-K20 Rabbit mAb (A22269) at a dilution of 1:1500 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.

Validation Data



Immunohistochemistry analysis of DiMethyl-Histone H4-K20 in paraffin-embedded rat colon tissue using DiMethyl-Histone H4-K20 Rabbit mAb (A22269) at a dilution of 1:1500 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.