TriMethyl-Histone H4-K20 Rabbit pAb

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Catalog No.: A2372 5 Publications

Basic Information

Observed MW

11kDa

Calculated MW

11kDa

Category

Primary antibody

Applications

ELISA, DB, WB, IHC-P, IF/ICC

Cross-Reactivity

Human, Mouse, Rat, Other (Wide Range Predicted)

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 - 1:2000
WB	1:500 - 1:2000
IHC-P	1:50 - 1:200
IE/ICC	1.50 - 1.200

Immunogen Information

Gene ID	Swiss Prot
8359	P62805

Immunogen

A synthetic trimethylated peptide around K20 of human histone H4 (NP 003529.1).

Synonyms

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

Contact

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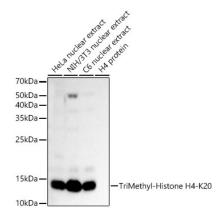
Product Information

Source	Isotype	Purification
Rabbit	ΙαG	Affinity purification

Storage

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

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



Western blot analysis of various lysates, using TriMethyl-Histone H4-K20 Rabbit pAb (A2372) at 1:400 dilution

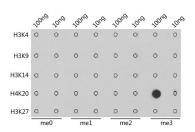
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

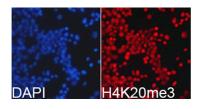
Lysates/proteins: 25µg per lane.

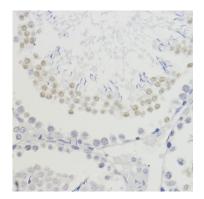
Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 60s.



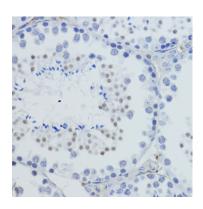




Dot-blot analysis of all sorts of methylation peptides using TriMethyl-Histone H4-K20 antibody (A2372).

Immunofluorescence analysis of 293T cells using TriMethyl-Histone H4-K20 Rabbit pAb (A2372). Blue: DAPI for nuclear staining.

Immunohistochemistry analysis of TriMethyl-Histone H4-K20 in paraffin-embedded rat testis using TriMethyl-Histone H4-K20 Rabbit pAb (A2372) at dilution of 1:200 (40x lens).Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.



Immunohistochemistry analysis of TriMethyl-Histone H4-K20 in paraffin-embedded mouse testis using TriMethyl-Histone H4-K20 Rabbit pAb (A2372) at dilution of 1:200 (40x lens).Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.