# TriMethyl-Histone H4-K20 Rabbit pAb

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Catalog No.: A2372 8 Publications

## **Basic Information**

### **Observed MW**

11kDa

#### **Calculated MW**

11kDa

### Category

Primary antibody

## **Applications**

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

#### **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**

1:500 - 1:2000

DB	1:500 - 1:2000	
IHC-P	1:50 - 1:200	
IF/ICC	1:50 - 1:200	
ELISA	Recommended starting	
	concentration is 1 μg/mL.	

Please optimize the concentration based on your specific assay

requirements.

# Contact

**WB** 

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# **Immunogen Information**

Gene ID	Swiss Prot
8359	P62805

#### **Immunogen**

Synthetic peptide. This information is considered to be commercially sensitive.

## **Synonyms**

H4; H4/n; H4C1; H4C2; H4C3; H4C4; H4C5; H4C6; H4C8; H4C9; H4F2; H4FN; F0108; H4-16; H4C11; H4C12; H4C13; H4C15; H4C16; HIST2H4; HIST2H4A; TriMethyl-Histone H4-K20

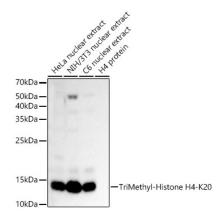
## **Product Information**

Source	Isotype	Purification
Rabbit	IgG	Affinity purification

#### Storage

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

Buffer: PBS containing 50% glycerol, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.



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

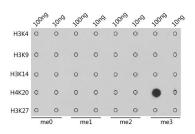
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

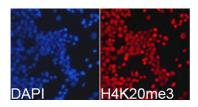
Lysates/proteins: 25µg per lane.

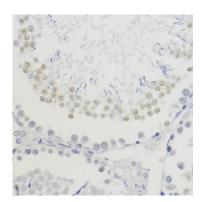
Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 60s.



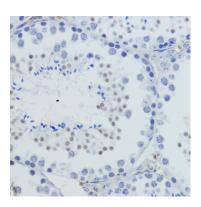




Dot-blot analysis of all sorts of methylation peptides using TriMethyl-Histone H4-K20 antibody (A2372).

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

Immunohistochemistry analysis of paraffinembedded Rat testis using TriMethyl-Histone H4-K20 Rabbit pAb (A2372) at dilution of 1:200 (40x lens). Microwave antigen retrieval performed with 0.01M PBS Buffer (pH 7.2) prior to IHC staining.



Immunohistochemistry analysis of paraffinembedded Mouse testis using TriMethyl-Histone H4-K20 Rabbit pAb (A2372) at dilution of 1:200 (40x lens). Microwave antigen retrieval performed with 0.01M PBS Buffer (pH 7.2) prior to IHC staining.