

# MonoMethyl-Histone H4-K20 Rabbit mAb

Catalog No.: A22572 **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

ARC54049

## Recommended Dilutions

<b>DB</b>	1:500 - 1:1000
<b>WB</b>	1:500 - 1:1000
<b>IHC-P</b>	1:100 - 1:500

## Contact

	400-999-6126
	cn.market@abclonal.com.cn
	<a href="http://www.abclonal.com.cn">www.abclonal.com.cn</a>

## 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.

## Immunogen Information

<b>Gene ID</b>	<b>Swiss Prot</b>
8359	P62805

### Immunogen

A synthetic monomethylated 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; MonoMethyl-Histone H4-K20

## Product Information

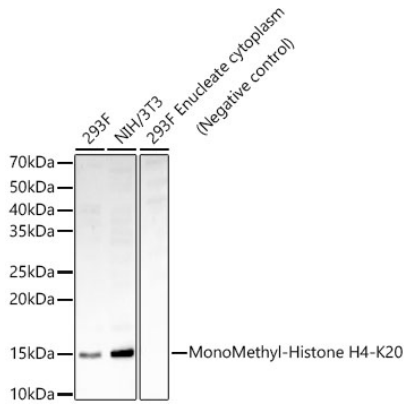
<b>Source</b>	<b>Isotype</b>	<b>Purification</b>
Rabbit	IgG	Affinity purification

### Storage

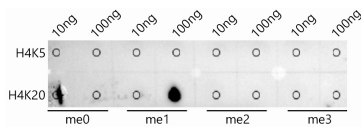
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.05% proclin300,0.05% BSA,50% glycerol,pH7.3.

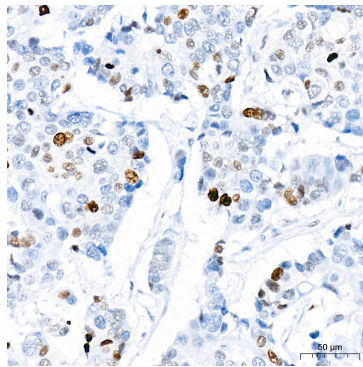
## Validation Data



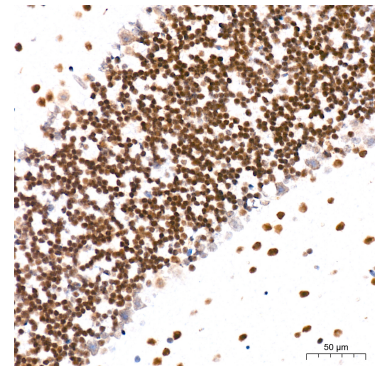
Western blot analysis of various lysates, using MonoMethyl-Histone H4-K20 Rabbit mAb (A22572) at 1:900 dilution.  
 Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
 Lysates/proteins: 25µg per lane.  
 Blocking buffer: 3% nonfat dry milk in TBST.  
 Detection: ECL Enhanced Kit (RM00021).  
 Exposure time: 180s.



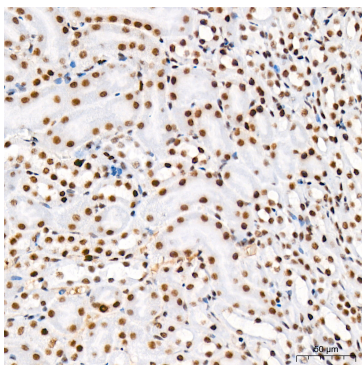
Dot-blot analysis of all sorts of peptides using MonoMethyl-Histone H4-K20 antibody (A22572) at 1:1000 dilution.



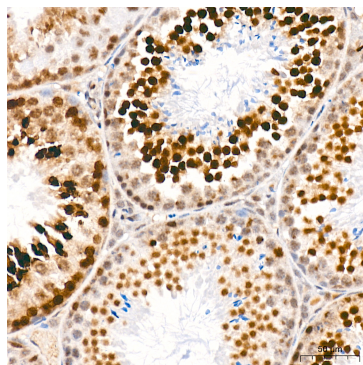
Immunohistochemistry analysis of MonoMethyl-Histone H4-K20 in paraffin-embedded human breast cancer tissue using MonoMethyl-Histone H4-K20 Rabbit mAb (A22572) at a dilution of 1:400 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



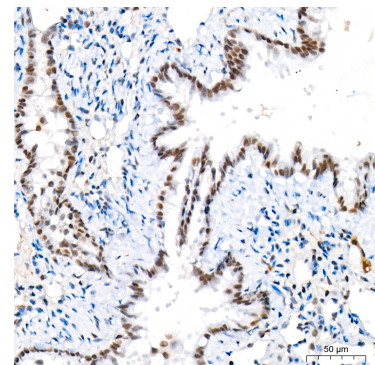
Immunohistochemistry analysis of MonoMethyl-Histone H4-K20 in paraffin-embedded mouse brain tissue using MonoMethyl-Histone H4-K20 Rabbit mAb (A22572) at a dilution of 1:400 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of MonoMethyl-Histone H4-K20 in paraffin-embedded mouse kidney tissue using MonoMethyl-Histone H4-K20 Rabbit mAb (A22572) at a dilution of 1:400 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



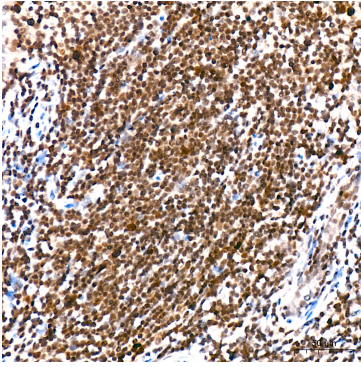
Immunohistochemistry analysis of MonoMethyl-Histone H4-K20 in paraffin-embedded mouse testis tissue using MonoMethyl-Histone H4-K20 Rabbit mAb (A22572) at a dilution of 1:400 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



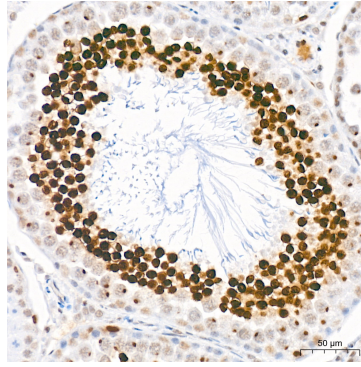
Immunohistochemistry analysis of MonoMethyl-Histone H4-K20 in paraffin-embedded rat lung tissue using MonoMethyl-Histone H4-K20 Rabbit mAb (A22572) at a dilution of 1:400 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.

## Validation Data

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Immunohistochemistry analysis of MonoMethyl-Histone H4-K20 in paraffin-embedded rat spleen tissue using MonoMethyl-Histone H4-K20 Rabbit mAb (A22572) at a dilution of 1:400 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of MonoMethyl-Histone H4-K20 in paraffin-embedded rat testis tissue using MonoMethyl-Histone H4-K20 Rabbit mAb (A22572) at a dilution of 1:400 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.