

MonoMethyl-Histone H3-R17 Rabbit Polyclonal Antibody

CAB3151



Product Information

Size:

20uL, 50uL, 100uL, 200uL

Observed MW:

17kDa

Calculated MW:

15kDa

Applications:

WB IHC IF IP ChIP ChIPseq

Reactivity:

Human, Mouse, Rat, Other
(Wide Range)

Antibody Information

Recommended dilutions:

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

Source:

Rabbit

Isotype:

IgG

Purification:

Affinity purification

Protein Background

Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. Two molecules of each of the four core histones (H2A, H2B, H3, and H4) form an octamer, around which approximately 146 bp of DNA is wrapped in repeating units, called nucleosomes. The linker histone, H1, interacts with linker DNA between nucleosomes and functions in the compaction of chromatin into higher order structures. This gene is intronless and encodes a replication-dependent histone that is a member of the histone H3 family. Transcripts from this gene lack polyA tails but instead contain a palindromic termination element. This gene is found in the small histone gene cluster on chromosome 6p22-p21.3.

Immunogen information

Gene ID:

8356

Uniprot

P68431

Synonyms:

HIST1H3J; H3/j; H3FJ

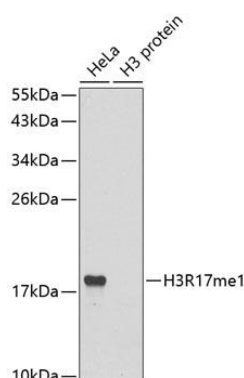
Immunogen:

A synthetic mono-methylated peptide corresponding to residues surrounding Arg17 of human histone H3

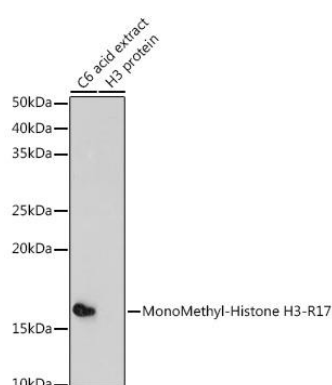
Storage:

Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

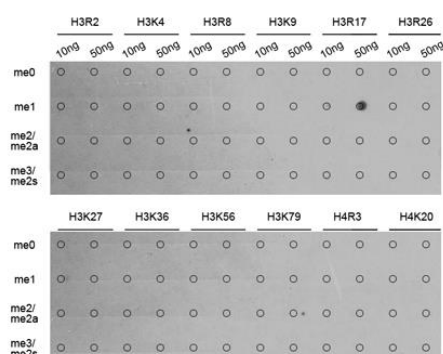
Product Images



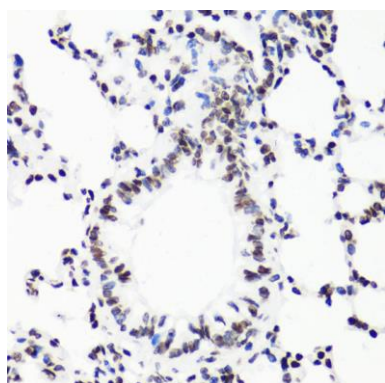
Western blot analysis of extracts of various cell lines, using MonoMethyl-Histone H3-R17 antibody (CAB3151). Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST.



Western blot analysis of extracts of C6 cells, using MonoMethyl-Histone H3-R17 antibody (CAB3151) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Enhanced Kit (CABM00021). Exposure time: 180s.



Dot-blot analysis of all sorts of methylation peptides using MonoMethyl-Histone H3-R17 antibody (CAB3151).



Immunohistochemistry of paraffin-embedded rat lung using MonoMethyl-Histone H3-R17 antibody (CAB3151) at dilution of 1:100 (40x lens).