

A3151

Leader in Biomolecular Solutions for Life Science



## MonoMethyl-Histone H3-R17 Rabbit pAb

Catalog No.: A3151

### Basic Information

#### Observed MW

17kDa

#### Calculated MW

15kDa

#### Category

Mouse Monoclonal Antibody

#### Applications

WB,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. 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.

### Recommended Dilutions

|        |                |
|--------|----------------|
| WB     | 1:500 - 1:1000 |
| IHC-P  | 1:50 - 1:200   |
| IF/ICC | 1:50 - 1:200   |

### Immunogen Information

#### Gene ID

8290/8350

#### Swiss Prot

Q16695/P68431

#### Immunogen

A synthetic monomethylated peptide around R17 of human histone H3 (NP\_003520.1).

#### Synonyms

H3/j; H3C1; H3C2; H3C3; H3C4; H3C6; H3C7; H3C8; H3FJ; H3C10; H3C11; HIST1H3j; MonoMethyl-Histone H3-R17

### Contact



[www.abclonal.com](http://www.abclonal.com)

### Product Information

#### Source

Rabbit

#### Isotype

IgG

#### Purification

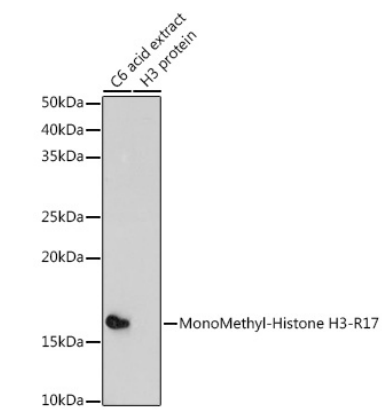
Affinity purification

#### Storage

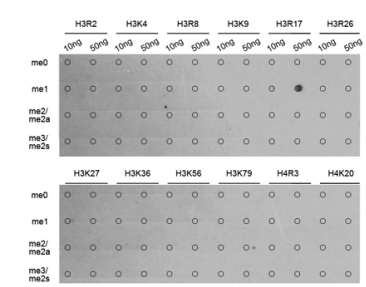
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.01% thimerosal, 50% glycerol, pH7.3.

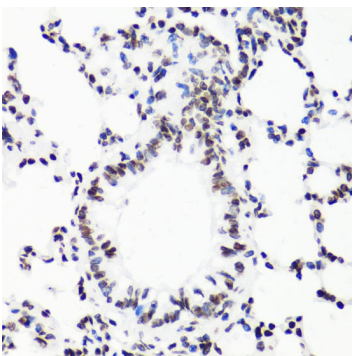
Validation Data



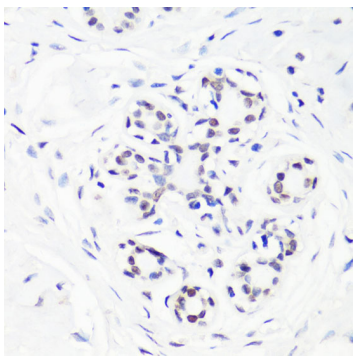
Western blot analysis of lysates from C6 cells, using MonoMethyl-Histone H3-R17 Rabbit pAb (A3151) at 1:1000 dilution.  
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
Lysates/proteins: 25µg per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.  
Detection: ECL Enhanced Kit (RM00021).  
Exposure time: 180s.



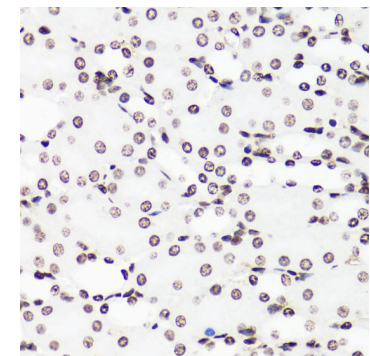
Dot-blot analysis of all sorts of methylation peptides using MonoMethyl-Histone H3-R17 antibody (A3151).



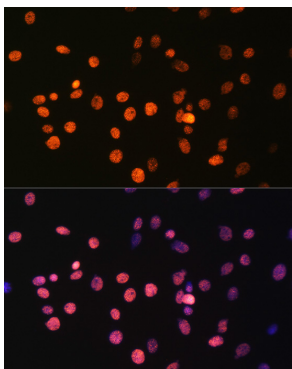
Immunohistochemistry analysis of MonoMethyl-Histone H3-R17 in paraffin-embedded rat lung using MonoMethyl-Histone H3-R17 Rabbit pAb (A3151) at dilution of 1:100 (40x lens).Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.



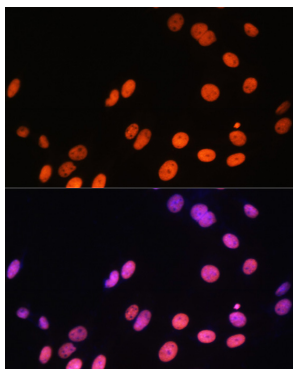
Immunohistochemistry analysis of MonoMethyl-Histone H3-R17 in paraffin-embedded human breast using MonoMethyl-Histone H3-R17 Rabbit pAb (A3151) at dilution of 1:100 (40x lens).Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.



Immunohistochemistry analysis of MonoMethyl-Histone H3-R17 in paraffin-embedded mouse kidney using MonoMethyl-Histone H3-R17 Rabbit pAb (A3151) at dilution of 1:100 (40x lens).Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.



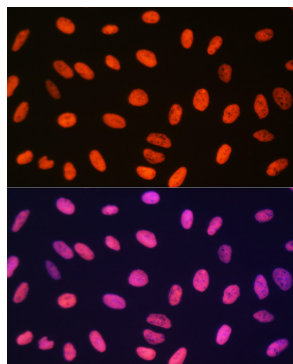
Immunofluorescence analysis of C6 cells using MonoMethyl-Histone H3-R17 Rabbit pAb (A3151) at dilution of 100 (40x lens). Secondary antibody: Cy3 Goat Anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of NIH-3T3 cells using MonoMethyl-Histone H3-R17 Rabbit pAb (A3151) at dilution of 100 (40x lens). Secondary antibody: Cy3 Goat Anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.

## Validation Data

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Immunofluorescence analysis of U-2 OS cells using MonoMethyl-Histone H3-R17 Rabbit pAb (A3151) at dilution of 100 (40x lens). Secondary antibody: Cy3 Goat Anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.