



## Histone H3 (aDi-Methyl R17) (H3R17me2a, H3R17me2)

### Catalog number

223246

### Supplier

United States Biological

Modulation of chromatin structure plays an important role in the regulation of transcription in eukaryotes. The nucleosome, made up of DNA wound around eight core histone proteins (two each of H2A, H2B, H3, and H4), is the primary building block of chromatin. The amino-terminal tails of core histones undergo various post-translational modifications, including acetylation, phosphorylation, methylation, and ubiquitination. These modifications occur in response to various stimuli and have a direct effect on the accessibility of chromatin to transcription factors and, therefore, gene expression.

### Applications

Suitable for use in Immunofluorescence, Western Blot, Immunoprecipitation, Immunohistochemistry, CHIP. Other applications not tested.

### Recommended Dilution

Western Blot: 1:500-1:2000

Immunohistochemistry: 1:50-1:200 Immunofluorescence: 1:50-1:200

Immunoprecipitation: 1:50-1:200 CHIP: 1:50-1:200

Optimal dilutions to be determined by the researcher.

### Storage and Stability

May be stored at 4°C for short-term only. Aliquot to avoid repeated freezing and thawing. Store at -20°C. Aliquots are stable for 12 months after receipt. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.

### Immunogen

Synthetic peptide conjugated to KLH derived from within residues 1-100 of Human Histone H3, aDi-methylated at R17.

### Formulation

Supplied as a liquid PBS, 0.1% sodium azide, 50% glycerol.

### Purity

Purified by immunoaffinity chromatography.

### Specificity

Recognizes endogenous levels of Histone H3 (aDi-Methyl R17). Species Crossreactivity: Human, Mouse, Rat, Other (Wide Range)

### Product Type

Pab

### Source



human

**Isotype**

IgG

**Grade**

Affinity Purified

**Applications**

ChIP IF IHC IP WB

**Crossreactivity**

Hu Mo Rt

**Storage**

-20°C

**MW**

17