

## Histone H4 (sDi-Methyl R3) polyclonal antibody

Catalog: BS8455

Host: Rabbit

Reactivity: Human, Mouse, Rat  
Other (Wide Range)

### BackGround:

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.

### Product:

1mg/ml in PBS with 0.1% Sodium Azide, 50% Glycerol.

### Molecular Weight:

~ 11 kDa

### Swiss-Prot:

P62805

### Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

### Applications:

WB: 1:500~1:2000

IHC/IF: 1:50~1:200

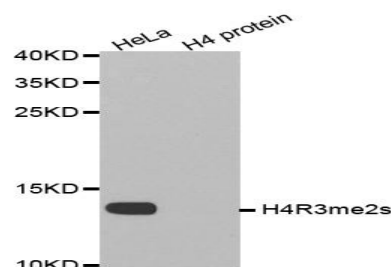
### Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

### Specificity:

Histone H4 (sDi-Methyl R3) polyclonal antibody detects endogenous levels of histone H4 only when Symmetric Di-Methylated at Arg3.

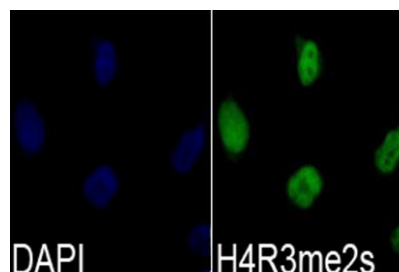
### DATA:



Western blot analysis of extracts of HeLa cell line and H4 protein expressed in E.coli., using Histone H4 (sDi-Methyl R3) antibody.



Dot-blot analysis of all sorts of methylation peptides using Histone H4 (sDi-Methyl R3) antibody.



Immunofluorescence analysis of 293T cell using Histone H4 (sDi-Methyl R3) antibody. Blue: DAPI for nuclear staining.

### Note:

For research use only, not for use in diagnostic procedure.

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