

## PRODUCT DATA SHEET

Bioworld Technology CO., Ltd.



### Histone H4 (G9) Peptide

Cat No.: BS3970P

#### Background

Histone proteins H3, H4, H2A, and H2B function as building blocks to package eukaryotic DNA into repeating nucleosome units that are folded in higher order chromatin fibers. The nucleosome is composed of an octamer containing a H3/H4 tetramer and two H2A/H2B dimers, surrounded by approximately 146 base pairs of DNA. A diverse and elaborate array of post-translational modifications including acetylation, phosphorylation, methylation, ubiquitination, and ADP-ribosylation occurs on the N-terminal tail domains of histones. Methylation of position-specific lysine residues in histone N termini is a central modification for regulating epigenetic transitions in chromatin. Each methylatable lysine residue can exist in a mono, di, or tri methylated state. Arginine residues can also be mono or di methylated.

#### Swiss-Prot

P62805

#### Applications

Blocking

#### Specificity

This peptide can be used with studies using BS3970 Histone H4 (G9) pAb.

#### Purification & Purity

Synthetic peptide Histone H4 (G9). (Note: the amino acid sequence is proprietary). The purity is > 98%.

#### Product

1 mg/ml in DI water.

#### Storage & Stability

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

#### Research Use

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

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