

## PRODUCT DATA SHEET

Bioworld Technology CO., Ltd.



### CBX5 (K69) Peptide

Cat No.: BS1999P

#### Background

Heterochromatin protein 1 (HP1) is a family of heterochromatic adaptor molecules involved in both gene silencing and higher order chromatin structure. All three HP1 family members ( $\alpha$ ,  $\beta$ , and  $\gamma$ ) are primarily associated with centromeric heterochromatin; however, HP1 $\beta$  and  $\gamma$  also localize to euchromatic sites in the genome. HP1 proteins are approximately 25 kDa in size and contain a conserved amino-terminal chromodomain, followed by a variable hinge region and a conserved carboxy-terminal chromoshadow domain. The chromodomain facilitates binding to histone H3 tri-methylated at Lys9, a histone "mark" closely associated with centromeric heterochromatin.

#### Swiss-Prot

P45973

#### Applications

Blocking

#### Specificity

This peptide can be used with studies using BS1999 CBX5 (K69) pAb.

#### Purification & Purity

Synthetic peptide CBX5 (K69). (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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