Bioworld Technology CO., Ltd.

# HIPK2 Peptide

**Cat No.:** BS60320P

## Background

The Homeodomain-Interacting Protein Kinase (HIPK) family, which includes HIPK1, HIPK2, HIPK3, contains a conserved protein kinase domain as well as a separate domain that interacts with homeoproteins. HIPK2, the most highly characterized family member, is thought to act as a co-repressor of homeodomain transcription factors as HIPK2 has been shown to enhance the DNA binding of the NK-3 homeoprotein in vitro. It is regulated by a posttranslational modification of a ubiquitin-like protein, SUMO-1, via covalent bonding to a lysine residue on HIPK2. This is similar to the binding of SUMO-1 to PML and Sp100. The conjugation of SUMO-1 is thought to direct each of these proteins to nuclear bodies (NBs), which appear to play a role in autoimmunity and viral protection. HIPK2 is the first protein kinase to be directed to nuclear bodies in response to ubiquitin-like modification.

## Swiss-Prot

Q9H2X6

## Applications

Blocking

## Specificity

This peptide can be used with studies using BS60320 HIPK2 pAb.

## Purification & Purity

Synthetic peptide HIPK2. (Note: the amino acid sequence is proprietary). The purity is > 98%.

## Product

1 mg/ml in DI water.

## Storage & Stability

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

## Research Use

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

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