Bioworld Technology CO., Ltd.

c-TAK1 (P8) Peptide

Cat No.: BS1969P

Background

c-TAK1 (Cdc25C associated protein kinase) phosphorylates Cdc25C on Ser 216 and is ubiquitously expressed in various human tissue and cell lines. C-TAK1 is distinct from Chk1, which also phosphorylates Cdc25C on Ser 216 in response to DNA damage. Phosphorylation of Cdc25C allows for the preferential binding of 14-3-3 proteins, subsequently retaining Cdc25C in the cytoplasm. Thus, the binding of 14-3-3 proteins prevents Cdc25C from dephosphorylating Cdc2 in the nucleus, thereby controlling the entry of the cells into mitosis. It is suggested that C-TAK1 mediates the binding of the 14-3-3 proteins through its kinase activity and acts as a negative regulator of mitosis.

Swiss-Prot

P27448

Applications

Blocking

Specificity

This peptide can be used with studies using BS1969 c-TAK1 (P8) pAb.

Purification & Purity

Synthetic peptide c-TAK1 (P8). (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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