Bioworld Technology CO., Ltd.

p-IKKα/β (S176/177) Peptide

Cat No.: BS4236P

Background

The NF-κB/Rel transcription factors are present in the cytosol in an inactive state, complexed with the inhibitory IκB proteins. Most agents that activate NF-κB do so through a common pathway based on phosphorylation-induced, pro-teasome-mediated degradation of IκB. The key regulatory step in this pathway involves activation of a high molecular weight IκB kinase (IKK) complex whose catalysis is generally carried out by three tightly associated IKK subunits. IKKα and IKKβ serve as the catalytic subunits of the kinase and IKKγ serves as the regulatory subunit. Activation of IKK depends upon phos-phorylation at Ser177 and Ser181 in the activation loop of IKKβ (Ser176 and Ser180 in IKKα), which causes conformational changes, resulting in kinase activation.

Swiss-Prot

O15111/O14920

Applications

Blocking

Specificity

This peptide can be used with studies using BS4236 p-IKKα/β (S176/177) pAb.

Purification & Purity

Synthetic peptide p-IKKα/β (S176/177). (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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