Bioworld Technology CO., Ltd.



IKKy (S31) Peptide

Cat No.: AP0640P

Background

Activation of NFkB requires that IkB be phosphorylated on specific serine residues, which results in targeted degradation of IkB. IkB kinase α (IKK α), previously designated CHUK, interacts with IkB- α and specifically phosphorylates I°B α on Serine 32 and 36, the sites that trigger its degradation. IKK α appears to be critical for NFkB activation in response to proinflammatory cytokines. Phosphorylation of IkB by IKK α is stimulated by the NFkB inducing kinase (NIK), which itself is a central regulator for NFkB activation in response to TNF and IL-1. The functional IKK complex contains three subunits, IKK α , IKK β and IKK γ (also designated NEMO), and each appear to make essential contributions to IkB phosphorylation.

Swiss-Prot

Q9Y6K9

Applications

Blocking

Specificity

This peptide can be used with studies using AP0640 IKK γ (S31) pAb.

Purification & Purity

Synthetic peptide IKK γ (S31). (Note: the amino acid sequence is proprietary). The purity is > 98%.

Product

1 mg/ml in DI water.

Storage & Stability

Store at $4 \, \mathbb{C}$ short term. Aliquot and store at $-20 \, \mathbb{C}$ long term. Avoid freeze-thaw cycles.

Research Use

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