

PRODUCT DATA SHEET



Bioworld Technology CO., Ltd.

I κ B- α (Y42) Peptide

Cat No.: AP0643P

Background

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

Swiss-Prot

P25963

Applications

Blocking

Specificity

This peptide can be used with studies using AP0643 I κ B- α (Y42) pAb.

Purification & Purity

Synthetic peptide I κ B- α (Y42). (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.