

## PRODUCT DATA SHEET

Bioworld Technology CO., Ltd.



### IκB-α (S36) Peptide

Cat No.: BS3601P

#### Background

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

#### Swiss-Prot

P25963

#### Applications

Blocking

#### Specificity

This peptide can be used with studies using BS3601 IκB-α (S36) pAb.

#### Purification & Purity

Synthetic peptide IκB-α (S36). (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.