

IκB-α (N-terminus) monoclonal antibody

Catalog: MB0106

Host: Mouse

Reactivity: Human

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.

Product:

Purified mouse monoclonal in buffer containing 0.1M Tris-Glycine (pH 7.4, 150 mM NaCl) with 0.2% sodium azide, 50% glycerol

Molecular Weight:

Predicted band size:36KDa

Observed band size:36KDa

Swiss-Prot:

P25963

Purification&Purity:

The antibody was affinity-purified from mouse ascites by affinity-chromatography using epitope-specific immuno-

gen and the purity is > 95% (by SDS-PAGE).

Applications:

WB: 1:1000

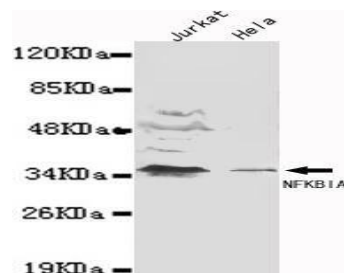
Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Specificity:

This antibody detects endogenous levels of IκB-alpha and does not cross-react with related proteins

DATA:



Western blot detection of IκB-alpha (N-terminus) antibody in

Jurkat&HeLa lysates using IκB-alpha (N-terminus) antibody (1:1000 diluted).

Note:

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

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