

Product Datasheet

Phospho-IKB alpha (S32) Antibody



Catalog No: CY5572

Reactivity: Human

Isotype: Rabbit IgG

Applications: WB IP

Information

UniProt ID: P25963

All Names: I-kappa-B-alpha; IKBA; IkappaBalph; MAD3; Major histocompatibility complex enhancer-binding protein MAD3; NF-kappaB inhibitor alpha; NFKBI; NFKBIA; RL/IF-1;

Form: Liquid

Storage instructions: Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

Storage buffer: pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

Purity: Affinity-chromatography

Immunogen: A synthesized peptide

Molecular Wt.: 39 kDa

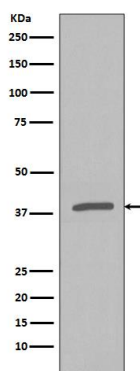
Application

WB: 1:500~1:2000

IP: 1:50

Background

The NF- κ B/Rel transcription factors are present in the cytosol in an inactive state complexed with the inhibitory I κ B proteins. Activation occurs via phosphorylation of I κ B α at Ser32 and Ser36 followed by proteasome-mediated degradation that results in the release and nuclear translocation of active NF- κ B. I κ B α phosphorylation and resulting Rel-dependent transcription are activated by a highly diverse group of extracellular signals including inflammatory cytokines, growth factors, and chemokines. Kinases that phosphorylate I κ B at these activating sites have been identified.



Western blot analysis of Phospho-IKB alpha (S32) expression in HeLa cell lysate treated with Calyculin A and TNF- α .

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