

## NFKBIA

**Reactivity:**Human Mouse Rat Pig

**Tested applications:**WB IHC IF IP FC

**Recommended Dilution:**WB 1:500 - 1:1000 IHC 1:50 - 1:100 IF 1:20 - 1:50 IP 1:20 - 1:50

FC 1:20 - 1:50

**Calculated MW:**39kDa

**Observed MW:**Refer to Figures

**Immunogen:**

Recombinant protein of human NFKBIA

**Storage Buffer:**

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

**Concentration:**

bkpgs

**Synonym:**

NFKBIA;IKBA;MAD-3;NFKBI;

**Catalog #:**A2457

**Antibody Type:**

Polyclonal Antibody

**Species:**Rabbit

**Gene ID:**4792

**Isotype:**IgG

**Swiss Prot:**P25963

**Purity:**Affinity purification

For research use only.

**Background:**

The NF- $\kappa$ B/Rel transcription factors are present in the cytosol in an inactive state complexed with the inhibitory IB proteins (1-3). Activation occurs via phosphorylation of IB at Ser32 and Ser36 followed by proteasome-mediated degradation that results in the release and nuclear translocation of active NF- $\kappa$ B (3-7). IB 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 IB at these activating sites have been identified (8).

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