

## NFKBIA

**Reactivity:** Human Mouse

**Tested applications:** WB IF

**Recommended Dilution:** WB 1:500 - 1:2000 IF 1:20 - 1:100

**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.

**Synonym:**

NFKBIA;IKBA;MAD-3;NFKBI ;

**Catalog #:** A11397

**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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