

IKBKB

Reactivity:Human Mouse Rat

Tested applications:WB IHC IF

Recommended Dilution:WB 1:500 - 1:2000 IHC 1:50 - 1:200 IF 1:50 - 1:200

Calculated MW:81kDa

Observed MW:Refer to Figures

Immunogen:

Recombinant Protein of human IKBKB

Storage Buffer:

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

Concentration:

ps

Synonym:

FLJ40509; IKK-beta; IKK2; IKKB; MGC131801; NFKB1KB;

Catalog #:A2087

Antibody Type:

Polyclonal Antibody

Species:Rabbit

Gene ID:3551

Isotype:IgG

Swiss Prot:O14920

Purity:Affinity purification

For research use only.

Background:

The NF- κ B/Rel transcription factors are present in the cytosol in an inactive state, complexed with the inhibitory IB proteins (1-3). Most agents that activate NF- κ B do so through a common pathway based on phosphorylation-induced, proteasome-mediated degradation of IB (3-7). The key regulatory step in this pathway involves activation of a high molecular weight IB kinase (IKK) complex whose catalysis is generally carried out by three tightly associated IKK subunits. IKK and IKK serve as the catalytic subunits of the kinase and IKK serves as the regulatory subunit (8,9). Activation of IKK depends upon phosphorylation at Ser177 and Ser181 in the activation loop of IKK (Ser176 and Ser180 in IKK), which causes conformational changes, resulting in kinase activation (10-13).

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