
Anti-IKK β

Cat #: HM1247

Rabbit polyclonal IgG
0.2 μ g/ μ l, store at 4 °C

For research use only

BACKGROUND

NF- κ B transcription factors are a family of structurally-related proteins that are involved in the control of a variety of cellular processes, such as growth, development, and the inflammatory response. The activity of NF- κ B is tightly regulated by interaction with inhibitory I κ B proteins. I κ B family of proteins comprises four groups: I κ B- α , I κ B- β , I κ B- γ , and I κ B- ϵ . I κ B proteins inactivate NF κ B by trapping it in the cytoplasm. Phosphorylation of serine residues on the I κ B proteins by kinases (I κ BK α , or I κ BK β) marks them for destruction via the ubiquitination pathway, thereby allowing activation of the NF κ B complex. The functional IKK complex contains three subunits, IKK α , IKK β , and IKK γ (also designated NEMO), and each appear to make essential contributions to I κ B phosphorylation.

SPECIFICITY

This antibody reacts with IKK β of mouse, rat and human origin by Western blotting, immunoprecipitation and immunohistochemistry (including paraffin-embedded sections); may cross-react with IKK α .

Recommended dilution for Western blotting: 1:1000. Western blotting positive control: Jurkat cell lysate.

IMMUNOGEN

Recombinant protein corresponding to the carboxy terminus of human IKK β .

STORAGE

This antibody is stable for 12 months when stored at 2-8°C.

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