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**Anti-NIK**

Cat #: HM1249  
Rabbit polyclonal IgG  
0.2 µg/µl, store at 4 °C

For research use only

**BACKGROUND**

NIK is a serine/threonine protein-kinase, resembling several MAP kinase kinase kinases (MAP3K). It binds specifically to TRAF2, an adapter protein associated with several receptors of the TNF/NGF family. NIK associates with, and is a costimulator for, IκB kinase α (IKKα). IKKα, in turn, phosphorylates IκB, resulting in IκB degradation and NFκB activation. NIK appears to be uninvolved in the Traf2-mediated activation of JNK by TNF. NIK overexpression in cells activates the transcription factor NF kappa B. Cellular expression of kinase-deficient NIK-mutants blocks NF kappa B induction by TNF, by either of the two TNF receptors, by CD95 (Fas/Apo-1) and by TRADD, RIP and MORT1/FADD, adapter proteins that bind to these receptors. It also blocks NF kappa B induction by IL-1.

**SPECIFICITY**

This antibody specifically reacts with NIK of human, mouse and rat origin.

The antibody can be used in Western blotting, immunoprecipitation and immunohistochemistry.

**IMMUNOGEN**

A recombinant protein corresponding to the N-terminus of human NIK protein.

**STORAGE**

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

**REFERENCES**

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