

NIK Antibody

CATALOG #:	3193-100
AMOUNT:	100 µg
LOT #:	_____
HOST:	Rabbit
IMMUNOGEN:	<i>E. coli</i> expressed recombinant human NIK fragment (a.a. 795-947).
SPECIES REACTIVITY:	Human

FORMULATION:

100 µg (0.2 mg/ml) affinity purified rabbit anti-NIK polyclonal antibody in phosphate buffered saline (PBS), pH 7.2, containing 50% glycerol, 1% BSA, 0.02% thimerosal.

STORAGE CONDITIONS:

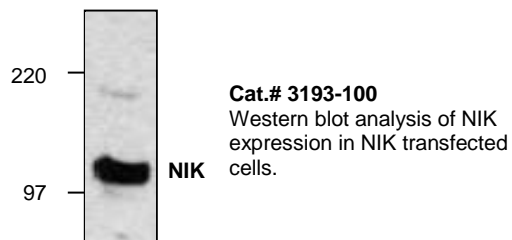
Store at -20°C. For long term storage, aliquot and freeze at -70°C. Avoid repeated freeze/thaw cycles.

BACKGROUND DESCRIPTION:

NIK (NF-κB-inducing kinase) is a member of the MAP kinase kinase kinase family that binds TRAF2 and stimulates NF-κB activity. NIK was initially isolated from a human B cell cDNA library and contains 795 amino acids with an apparent molecular weight of slightly more than 97 kDa on SDS gel. NIK is a serine/threonine kinase and its kinase activity contributes to IκB phosphorylation. The carboxyl terminal segment of NIK binds TRAF2. A mutant NIK with intact carboxyl terminus but without the two lysine residues at its catalytic domain serves as a dominant-negative inhibitor for NF-κB activation. NIK also interacts with TRAF6 and mediates IL-1-induced NF-κB activation.

APPLICATION AND USAGE:

The antibody can be used for Western blot (at 0.5-4 µg/ml) and immunoprecipitation (4-8 µg/ml). However, the optimal conditions should be determined individually.



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