10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

NIK Antibody
Rabbit Polyclonal Antibody
Catalog # ABV10159

Specification

NIK Antibody - Product Information

Application	**WB**
Primary Accession	Q99558
Reactivity	**Human, Mouse, Rat, Hamster, Dog**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**104042**

NIK Antibody - Additional Information

Gene ID 9020

Application & Usage	**Western blotting (0.5-4 µg/ml). However, the optimal conditions should be determined individually**

Other Names
MAP3K14, hsNIK, FTDCR1B, HSNIK , EC 2.7.11.25

Target/Specificity
NIK

Antibody Form
Liquid

Appearance
Colorless liquid

Formulation
100 µg (0.5 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.

Handling
The antibody solution should be gently mixed before use.

Reconstitution & Storage
-20 °C

Background Descriptions

Precautions
NIK Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

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NIK Antibody - Protein Information

Name MAP3K14 (HGNC:6853)

Function
Lymphotoxin beta-activated kinase which seems to be exclusively involved in the activation of NF-kappa-B and its transcriptional activity. Promotes proteolytic processing of NFKB2/P100, which leads to activation of NF-kappa-B via the non- canonical pathway. Could act in a receptor-selective manner.

Cellular Location
Cytoplasm.

Tissue Location
Weakly expressed in testis, small intestine, spleen, thymus, peripheral blood leukocytes, prostate, ovary and colon

NIK Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

NIK Antibody - Images

NIK Antibody - Background

NIK (NF-kB-inducing kinase) is a member of the MAP kinase kinase kinase family that binds TRAF2 and stimulates NF-kB 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 IkB 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-kB activation. NIK also interacts with TRAF6 and mediates IL-1-induced NF-kB activation.