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NIK Antibody
Purified Rabbit Polyclonal Antibody
Catalog # ABV11513

Specification

NIK Antibody - Product Information

Application	**WB**
Primary Accession	Q99558
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**104042**

NIK Antibody - Additional Information

Gene ID 9020

Other Names
Mitogen-activated protein kinase kinase kinase 14, 2.7.11.25, NF-kappa-beta-inducing kinase, HsNIK, Serine/threonine-protein kinase NIK, MAP3K14, NIK

Target/Specificity
NIK

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.

Handling
The antibody solution should be gently mixed before use.

Background Descriptions

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

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. Phosphorylates CHUK/IKKA, thereby promoting proteolytic processing of NFKB2/P100, which leads to NF-kappa-B activation via the non-canonical pathway (PubMed:25406581, PubMed:29230214). Has an essential role in the non-canonical NF-kappa-B signaling

that regulates genes encoding molecules involved in B-cell survival, lymphoid organogenesis, and immune response (PubMed:25406581). 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.