

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 Cytometry](#)
- [Cell Culture](#)

NIK Antibody - Images**NIK Antibody - Background**

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