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NIK Antibody (Center) Blocking Peptide

Synthetic peptide
Catalog # BP7967c

Specification

NIK Antibody (Center) Blocking Peptide - Product Information

Primary Accession Q99558

NIK Antibody (Center) Blocking Peptide - Additional Information

Gene ID 9020

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

Target/Specificity
The synthetic peptide sequence used to generate the antibody AP7967c was selected from the Center region of human NIK . A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

NIK Antibody (Center) Blocking Peptide - 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 (Center) Blocking Peptide - Protocols

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

- Blocking Peptides

NIK Antibody (Center) Blocking Peptide - Images

NIK Antibody (Center) Blocking Peptide - Background

NIK (mitogen-activated protein kinase kinase kinase 14), a member of the Ser/Thr protein kinase family, binds to TRAF2 and stimulates NF-kappaB activity. It shares sequence similarity with several other MAPKK kinases. It participates in an NF-kappaB-inducing signalling cascade common to receptors of the tumour-necrosis/nerve-growth factor (TNF/NGF) family and to the interleukin-1 type-I receptor.

NIK Antibody (Center) Blocking Peptide - References

Andreakos, E., et al., Blood 101(3):983-991 (2003).Ninomiya-Tsuji, J., et al., Nature 398(6724):252-256 (1999).Aronsson, F.C., et al., Hum. Genet. 103(3):340-345 (1998).Lin, X., et al., Mol. Cell. Biol. 18(10):5899-5907 (1998).Malinin, N.L., et al., Nature 385(6616):540-544 (1997).