

NIK Antibody (Center)
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP7967c**Specification**

NIK Antibody (Center) - Product Information

Application	IHC-P, WB,E
Primary Accession	Q99558
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	104042
Antigen Region	119-148

NIK Antibody (Center) - 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

This NIK antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 119-148 amino acids from the Central region of human NIK.

Dilution

IHC-P~~1:50~100

WB~~1:1000

E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

NIK Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

NIK Antibody (Center) - 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.

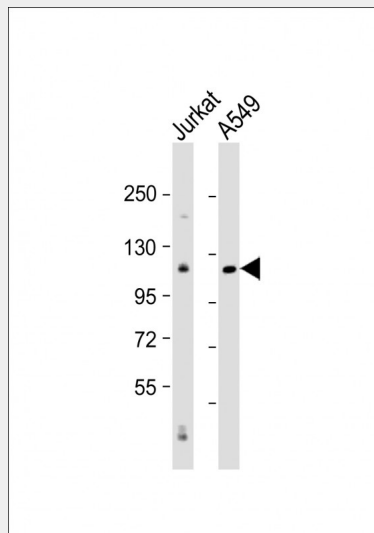
Tissue Location

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

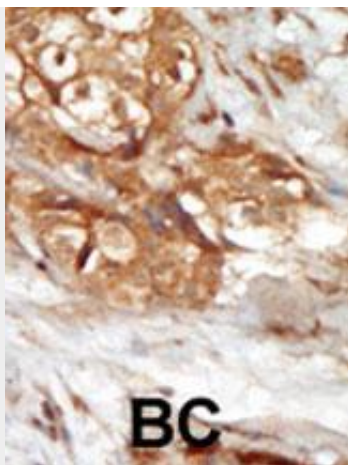
NIK Antibody (Center) - Protocols

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 (Center) - Images

All lanes : Anti-NIK Antibody (C133) at 1:1000 dilution Lane 1: Jurkat whole cell lysate Lane 2: A549 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 104 kDa Blocking/Dilution buffer: 5% NFDm/TBST.



Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by AEC staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated. BC = breast carcinoma; HC = hepatocarcinoma.

NIK Antibody (Center) - 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) - References

- Andreaskos, 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).