



Rabbit Anti-NFkB Inducing Kinase NIK antibody

SL0074R

Product Name:	NFkB Inducing Kinase NIK
Chinese Name:	NFkB诱导激酶抗体
Alias:	NF-kappaB-Inducing Kinase; NFkB Inducing Kinase NIK; NF kappa beta inducing kinase; NF-kappa-beta-inducing kinase; HS; HSNIK; NIK; Serine/threonine-protein kinase NIK; mitogen-activated protein kinase kinase kinase 14; MAPKKK14; MAP3K14; FTDCR1B; NF-kappa-beta-inducing kinase; M3K14_HUMAN.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Cow,Horse,Rabbit,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800Flow-Cyt=3ug/TestIF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	104kDa
Cellular localization:	cytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human NIK:901-960/947
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	This gene encodes mitogen-activated protein kinase kinase kinase 14, which is a serine/threonine protein-kinase. This kinase 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. [provided by RefSeq].

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.

Subunit:

Interacts with TRAF2, TRAF5, TRAF6, IKKA and NFkB2/P100 (By similarity). Interacts with TRAF3 and PELI3. Interacts with NIBP; the interaction is direct. Interacts with ARRB1 and ARRB2. Interacts with GRB10. Interacts with ZFP91.

Subcellular Location:

Cytoplasm.

Tissue Specificity:

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

Similarity:

Belongs to the protein kinase superfamily. STE Ser/Thr protein kinase family. MAP kinase kinase kinase subfamily. Contains 1 protein kinase domain.

SWISS:

Q99558

Gene ID:

9020

Database links:

[Entrez Gene: 9020](#) Human

[Omim: 604655](#) Human

[SwissProt: Q99558](#) Human

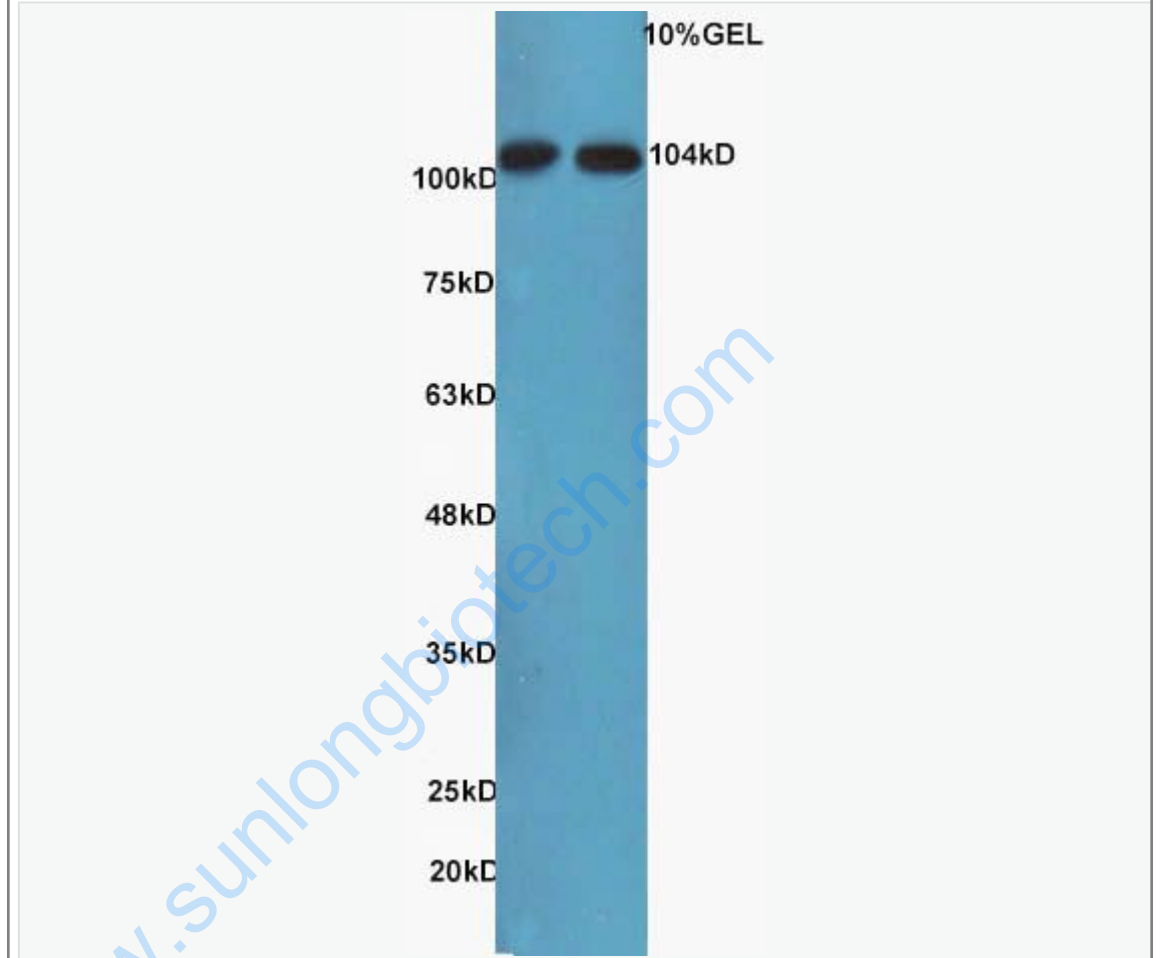
[Unigene: 404183](#) Human

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

NIK是一种分布和作用十分广泛的真核细胞转录因子，可被多种细胞外的刺激活化，参与Apoptosis、炎症等多种条件下的基因调控，具有重要的生理和病理作用。

Picture:



Sample:

Kidney(Mouse) lysate at 30ug;

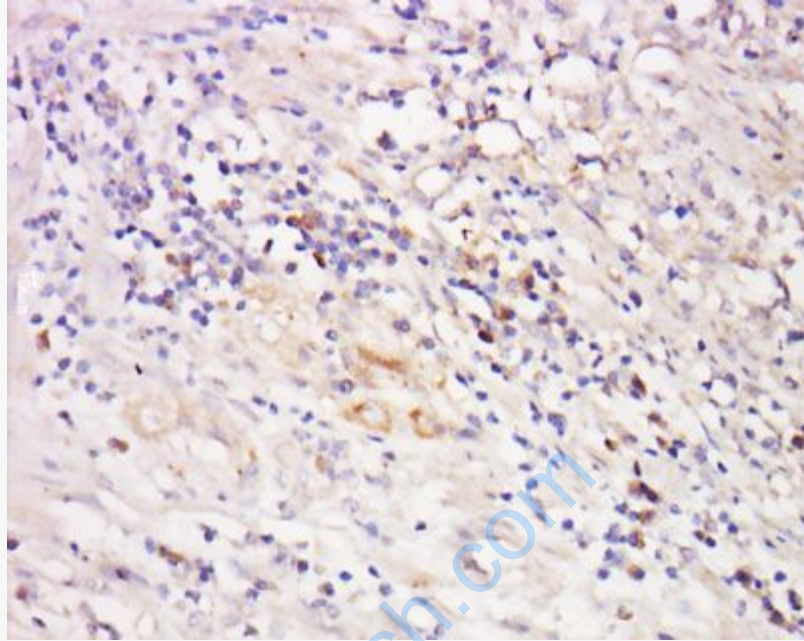
Brain(Mouse) lysate at 30ug

Primary: Anti-NFkB Inducing Kinase NIK (SL0074R) at 1:300 dilution;

Secondary: HRP conjugated Goat-Anti-Rabbit IgG(SL0074R) at 1: 5000 dilution;

Predicted band size : 104kD

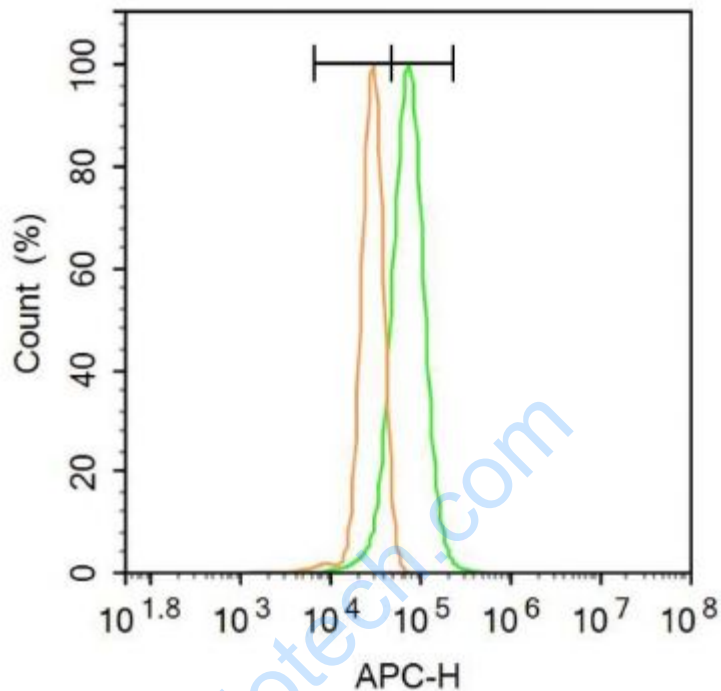
Observed band size : 104kD



Tissue/cell: human colon carcinoma; 4% Paraformaldehyde-fixed and paraffin-embedded;

Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min;

Incubation: Anti-HSNIK Polyclonal Antibody, Unconjugated(SL0074R) 1:500, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



Blank control: A431.

Primary Antibody (green line): Rabbit Anti-NFκB Inducing Kinase NIK antibody (SL0074R)

Dilution: 1μg /10⁶ cells;

Isotype Control Antibody (orange line): Rabbit IgG .

Secondary Antibody: Goat anti-rabbit IgG-AF647

Dilution: 1μg /test.

Protocol

The cells were fixed with 4% PFA (10min at room temperature) and then permeabilized with 20% PBST for 20 min at room temperature. The cells were then incubated in 5% BSA to block non-specific protein-protein interactions for 30 min at -20°C. Cells stained with Primary Antibody for 30 min at room temperature. The

	secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.
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