

bs-0074R**[Primary Antibody]****MAP3K14/NFkB Inducing Kinase Rabbit pAb****Bioss**
ANTIBODIES

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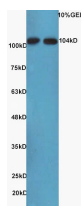
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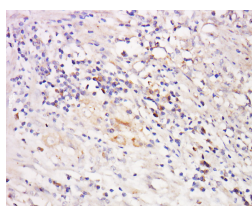
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— DATASHEET —

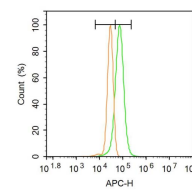
Host: Rabbit	Isotype: IgG	Applications: WB (1:500-2000) IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500) Flow-Cyt (3ug/Test) Reactivity: Human, Mouse (predicted: Rat, Rabbit, Cow, Dog, Horse) Predicted MW.: 104 kDa Subcellular Location: Cytoplasm
Clonality: Polyclonal		
GeneID: 9020	SWISS: Q99558	
Target: MAP3K14/NFkB Inducing Kinase		
Immunogen: KLH conjugated synthetic peptide derived from human NIK: 901-947/947.		
Purification: affinity purified by Protein A		
Concentration: 1mg/ml		
Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.		
Background: 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].		

— VALIDATION IMAGES —

Sample: Kidney(Mouse) lysate at 30ug;
Brain(Mouse) lysate at 30ug Primary: Anti-NFkB Inducing Kinase NIK (bs-0074R) at 1:300 dilution;
Secondary: HRP conjugated Goat-Anti-Rabbit IgG(bs-0295G-HRP) 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(bs-0074R) 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-NFkB Inducing Kinase NIK antibody (bs-0074R) 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 0.1% 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 room temperature .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.

— SELECTED CITATIONS —

- **[IF=9.3]** Xiaoyu Huang. et al. Targeting NF-kappaB-inducing kinase shapes B-cell homeostasis in myasthenia gravisJ NEUROINFLAMM. 2025 Jan 24;22(1):17. Flow cytometry ;Human. 39856699
- **[IF=5.162]** Liu S et al. Structural characterization of a novel polysaccharide from Panax notoginseng residue and its immunomodulatory activity on bone marrow dendritic cells. Int J Biol Macromol . 2020 Oct 15;161:797-809. WB ;Mouse.

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

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- **[IF=4.081]** Wen Changlin. et al. Dietary Zinc Ameliorates TNBS-Induced Colitis in Mice Associated with Regulation of Th1/Th2/Th17 Balance and NF-κB/NLRP3 Signaling Pathway. BIOL TRACE ELEM RES. 2023 May;;1-12 WB ;Mouse.
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