

## Anti-MAP3K14 Polyclonal Antibody

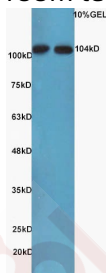
### Product Details

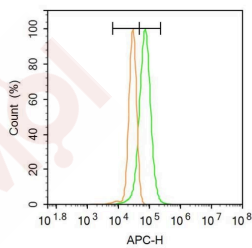
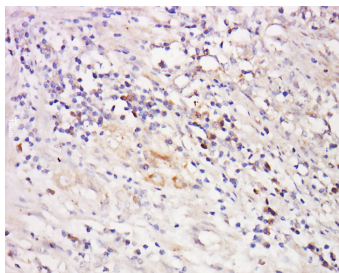
Ig Type:	IgG
Reactivity:	Human, Mouse (predicted: Rat, Dog, Cow, Horse, Rabbit)
Molecular Weight:	Theoretical: 104 kDa. Actual: 104 kDa.
Purification:	Protein A purified

### Applications

1. Sample:  
Kidney (Mouse) lysate at 30 µg;  
Brain (Mouse) lysate at 30 µg  
Primary: Anti-NFκB Inducing Kinase NIK (TMAB-01101) at 1:300 dilution;  
Secondary: HRP conjugated Goat-Anti-Rabbit IgG (secondary antibody) at 1: 5000 dilution;  
Predicted band size: 104 kDa  
Observed band size: 104 kDa
2. Tissue/cell: human colon carcinoma; 4% Paraformaldehyde-fixed and paraffin-embedded;  
Antigen retrieval: citrate buffer (0.01M, pH6.0), Boiling bathing for 15 min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30 min; Blocking buffer (normal goat serum) at 37°C for 20 min;  
Incubation: Anti-HSNIK Polyclonal Antibody, Unconjugated (TMAB-01101) 1:500, overnight at 4°C, followed by conjugation to the secondary antibody and DAB staining.
3. Blank control: A431. Primary Antibody (green line): Rabbit Anti-NFκB Inducing Kinase NIK antibody (TMAB-01101)  
Dilution: 1 µg/10<sup>6</sup> cells;  
Isotype Control Antibody (orange line): Rabbit IgG.  
Secondary Antibody: Goat anti-rabbit IgG-AF647  
Dilution: 1 µg/test.
- Protocol  
The cells were fixed with 4% PFA (10 min 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.

Verified Activity:





Application: FCM,IF,IHC-Fr,IHC-P,WB

Recommended WB: 1:500-2000; IHC-P: 1:100-500; IHC-Fr: 1:100-500; IF: 1:100-500; FCM: 3ug/Test

### Properties

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

### Antigen Details

Immunogen: KLH conjugated synthetic peptide: human NIK

Antigen Species: Human

Gene ID: 9020

Uniprot ID: Q99558

Synonyms: Mitogen-activated protein kinase kinase kinase 14;NIK;Serine/threonine-protein kinase NIK; MAP3K14;NF-kappa-beta-inducing kinase (HsNIK)

Biology Area: Kinases,NFkB pathway,Other Kinases,NFkB Pathway

### Research 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].

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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