

# Phospho-TBK1/NAK-S172 Rabbit mAb

Catalog No.: AP1418

Recombinant

2 Publications

## Basic Information

### Observed MW

84kDa

### Calculated MW

84kDa

### Category

Primary antibody

### Applications

ELISA, WB

### Cross-Reactivity

Human, Mouse

### CloneNo number

ARC57906

## Background

The NF-kappa-B (NFKB) complex of proteins is inhibited by I-kappa-B (IKB) proteins, which inactivate NFKB by trapping it in the cytoplasm. Phosphorylation of serine residues on the IKB proteins by IKB kinases marks them for destruction via the ubiquitination pathway, thereby allowing activation and nuclear translocation of the NFKB complex. The protein encoded by this gene is similar to IKB kinases and can mediate NFKB activation in response to certain growth factors. The protein is also an important kinase for antiviral innate immunity response.

## Recommended Dilutions

WB 1:100 - 1:500

## Immunogen Information

### Gene ID

29110

### Swiss Prot

Q9UHD2

### Immunogen

A phospho synthetic peptide corresponding to residues surrounding S172 of Human TBK1/NAK.

### Synonyms

NAK; T2K; IIAE8; FTDALS4; Phospho-TBK1/NAK-S172

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

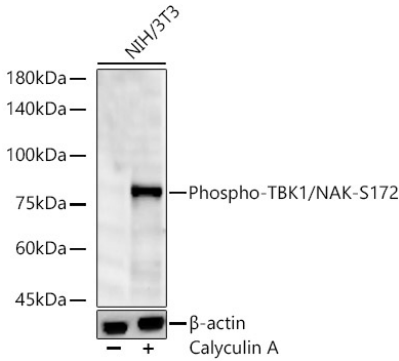
Affinity purification

### Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.05% proclin300, 0.05% BSA, 50% glycerol, pH7.3.

# Validation Data



Western blot analysis of various lysates, using Phospho-TBK1/NAK-S172 Rabbit mAb (AP1418) at 1:500 dilution. NIH/3T3 cells were treated by Calyculin A (100 nM) at 37°C for 30 minutes after serum-starvation overnight.  
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
Lysates/proteins: 25µg per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.  
Detection: ECL Enhanced Kit (RM00021).  
Exposure time: 60s.