

# Phospho-TBK1/NAK-S172 Rabbit pAb

Catalog No.: AP0847SP **3 Publications**

## Basic Information

### Observed MW

84 kDa

### Calculated MW

84 kDa

### Category

Primary antibody

### Applications

WB,IHC-P,ELISA

### Cross-Reactivity

Human, Mouse, Rat

## 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** 1:5000 - 1:20000

**IHC-P** 1:200 - 1:800

**ELISA** Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements. For high-ratio antibody dilutions (≥1:10000) a sequential dilution method is strongly recommended to ensure measurement accuracy.

## Immunogen Information

### Gene ID

29110

### Swiss Prot

Q9UHD2

### Immunogen

This information is considered to be commercially sensitive.

### Synonyms

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

## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

Affinity purification

### Storage

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

Buffer: PBS, pH 7.3, containing 50% glycerol. Preserved with Proclin300 or sodium azide.

May contain 0.05% BSA as specified on the Certificate of Analysis.

## Contact

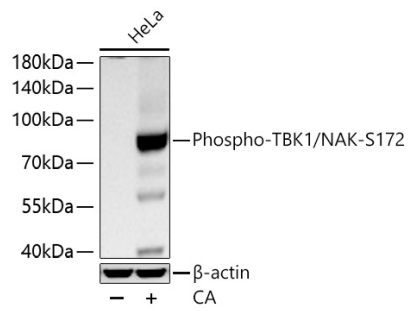
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## Validation Data

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Western blot analysis of lysates from HeLa cells using Phospho-TBK1/NAK-S172 Rabbit pAb (AP0847SP) at 1:10000 dilution incubated overnight at 4°C. HeLa cells were treated with CA (50 mM) at 37°C for 30 minutes.

Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 30 µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 45 s.