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Phospho-TBK1/NAK-S172 Rabbit mAb

Catalog No.: AP1418 Recombinant 2 Publications

Basic Information

Observed MW
84kDa

Calculated MW
84kDa

Category
Primary antibody

Applications
WB,ELISA

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
ELISA	Recommended starting concentration is 1 μg/mL. Please optimize the concentration based on your specific assay requirements.

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

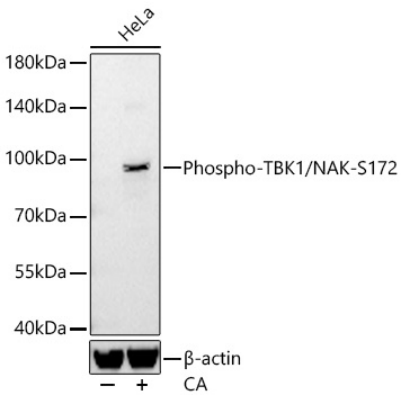
Source
Rabbit

Isotype
IgG

Purification
Affinity purification

Storage
Store at -20℃. Avoid freeze / thaw cycles.
Buffer: PBS with 0.05% proclin300,0.05% BSA,50% glycerol,pH7.3.

Validation Data



Western blot analysis of lysates from HeLa cells using Phospho-TBK1/NAK-S172 Rabbit mAb (AP1418) at 1:1000 dilution incubated overnight at 4℃. HeLa cells were treated by Calyculin A (100 nM) at 37℃ for 30 minutes after serum-starvation overnight.
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: 90s.