

A3458

Leader in Biomolecular Solutions for Life Science



[KO Validated] TBK1/NAK Rabbit mAb

Catalog No.: A3458

KO Validated

Recombinant

21 Publications

Basic Information

Observed MW

84kDa

Calculated MW

84kDa

Category

Monoclonal Antibody

Applications

WB,IHC-P,IF/ICC,IP,ELISA

Cross-Reactivity

Human,Mouse,Rat

CloneNo number

ARC0778

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 1:4000 - 1:15000

IF/ICC 1:100 - 1:800

IHC-P 1:500 - 1:1000

IP 0.5µg-4µg antibody for
200µg-400µg extracts
of whole cells

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

Synthetic peptide. This information is considered to be commercially sensitive.

Synonyms

NAK; T2K; IIAE8; FTDALS4; TBK1/NAK

Product Information

Source

Rabbit

Isotype

IgG

Purification

Affinity purification

Storage

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

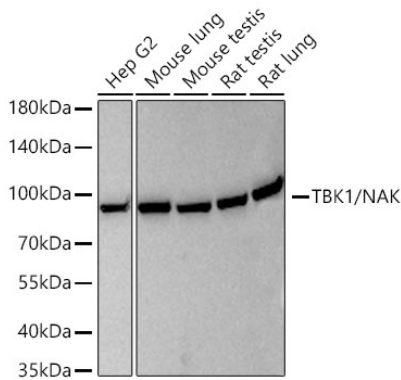
Buffer: PBS with 0.09% Sodium azide,0.05% BSA,50% glycerol,pH7.3.

Contact



www.abclonal.com

Validation Data



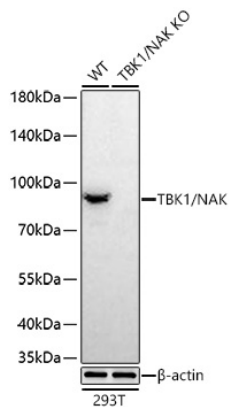
Western blot analysis of various lysates using [KO Validated] TBK1/NAK Rabbit mAb (A3458) at 1:4000 dilution incubated at room temperature for 1.5 hours.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25 µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 90 s.



Western blot analysis of lysates from wild type (WT) and TBK1/NAK knockout (KO) 293T cells using [KO Validated] TBK1/NAK Rabbit mAb (A3458) at 1:7000 dilution incubated at room temperature for 1.5 hours.

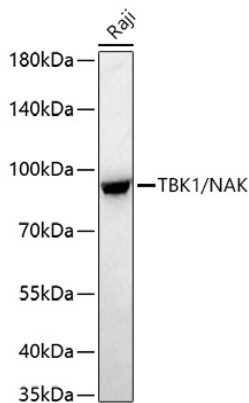
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25 µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 90 s.



Western blot analysis of lysates from Raji cells using [KO Validated] TBK1/NAK Rabbit mAb (A3458) at 1:7000 dilution incubated at room temperature for 1.5 hours.

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

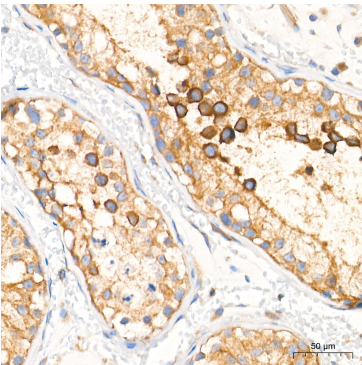
Lysates/proteins: 25 µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

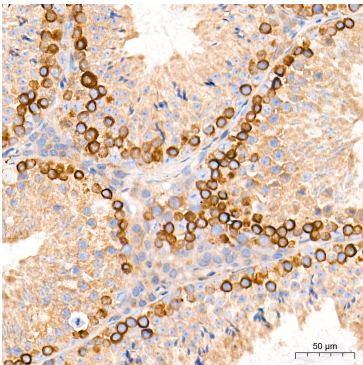
Detection: ECL Basic Kit (RM00020).

Exposure time: 90 s.

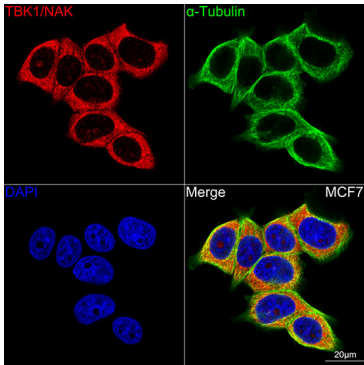
Validation Data



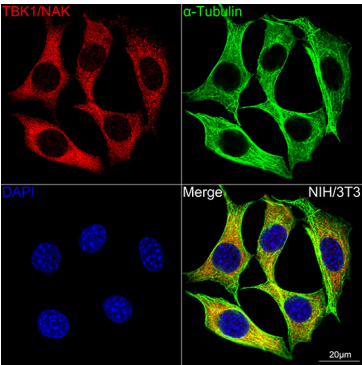
Immunohistochemistry analysis of paraffin-embedded Human testis tissue using [KO Validated] TBK1/NAK Rabbit mAb (A3458) at a dilution of 1:750 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



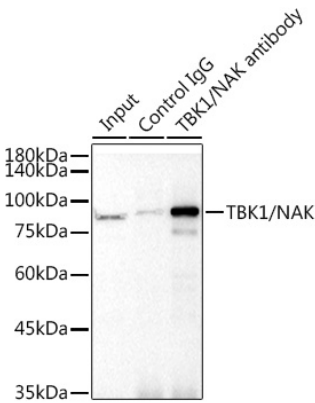
Immunohistochemistry analysis of paraffin-embedded Mouse testis tissue using [KO Validated] TBK1/NAK Rabbit mAb (A3458) at a dilution of 1:750 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Confocal imaging of MCF7 cells using [KO Validated] TBK1/NAK Rabbit mAb (A3458, at dilution of 1:100) (Red). The cells were counterstained with α-Tubulin Mouse mAb (AC012, dilution 1:400) (Green). DAPI was used for nuclear staining (blue). Objective: 100x.



Confocal imaging of NIH/3T3 cells using [KO Validated] TBK1/NAK Rabbit mAb (A3458, at dilution of 1:100) (Red). The cells were counterstained with α-Tubulin Mouse mAb (AC012, dilution 1:400) (Green). DAPI was used for nuclear staining (blue). Objective: 100x.



Immunoprecipitation analysis of 300 μg extracts from 293T cells using 3 μg [KO Validated] TBK1/NAK Rabbit mAb (A3458). Western blot was performed from the immunoprecipitate using [KO Validated] TBK1/NAK Rabbit mAb (A3458) at a dilution of 1:1000.