

# [KO Validated] TBK1/NAK Rabbit mAb

Catalog No.: A3458

**KO Validated****Recombinant****26 Publications**

## Basic Information

### Observed MW

84kDa

### Calculated MW

84kDa

### Category

Primary antibody

### Applications

WB,IF/ICC,IHC-P,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.

## Contact

 | 400-999-6126 | [cn.market@abclonal.com.cn](mailto:cn.market@abclonal.com.cn) | [www.abclonal.com.cn](http://www.abclonal.com.cn)

## 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

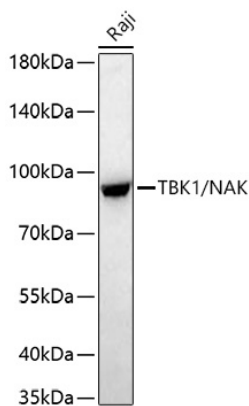
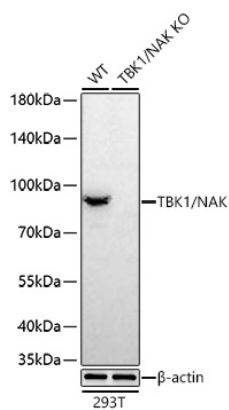
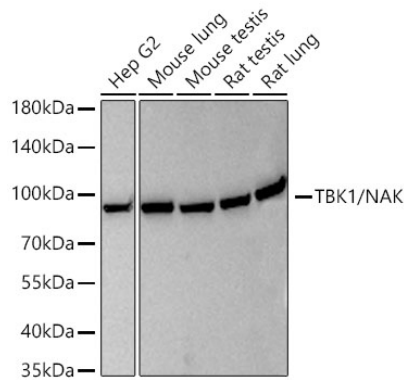
Affinity purification

### Storage

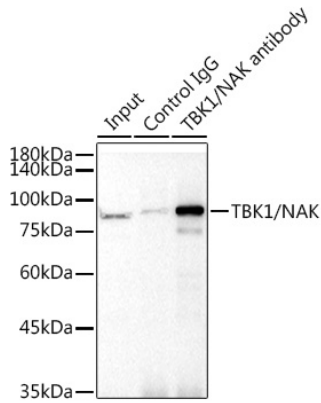
Store at -20°C. Avoid freeze / thaw cycles.

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

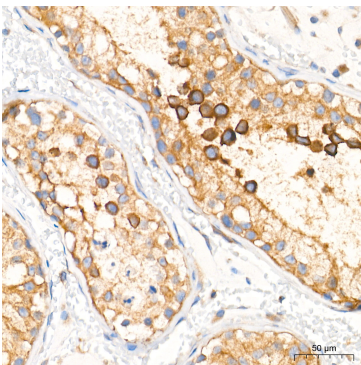
## Validation Data



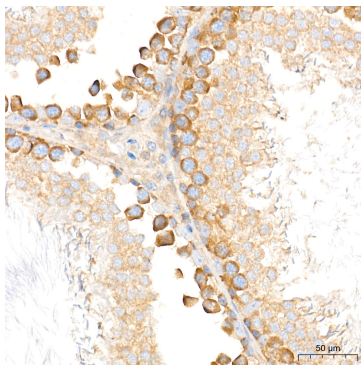
## Validation Data



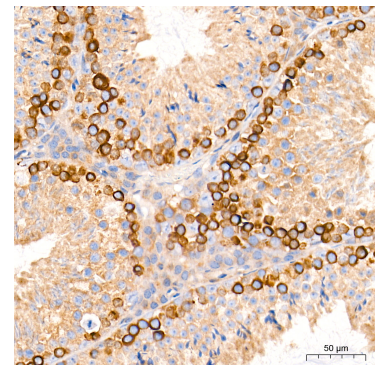
Immunoprecipitation analysis of 300  $\mu$ g extracts from 293T cells using 3  $\mu$ g [KO Validated] TBK1/NAK Rabbit mAb (A3458). Western blot was performed from the immunoprecipitate using [KO Validated] TBK1/NAK Rabbit mAb (A3458) at a dilution of 1:1000.



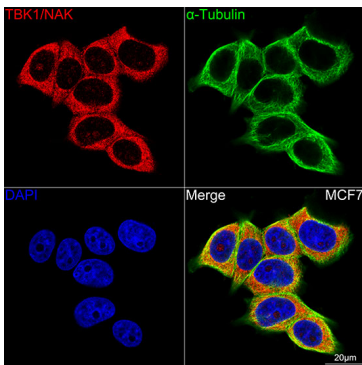
Immunohistochemistry analysis of paraffin-embedded Human testis tissue using [KO Validated] TBK1/NAK Rabbit mAb (A3458) at a dilution of 1:750 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



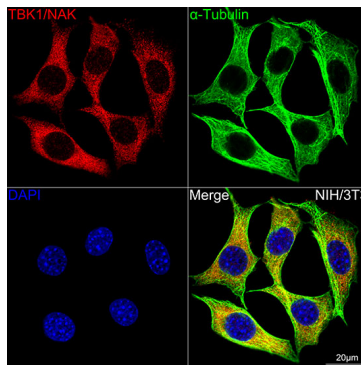
Immunohistochemistry analysis of paraffin-embedded Rat testis tissue using [KO Validated] TBK1/NAK Rabbit mAb (A3458) at a dilution of 1:750 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



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  $\alpha$ -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  $\alpha$ -Tubulin Mouse mAb (AC012, dilution 1:400) (Green). DAPI was used for nuclear staining (blue). Objective: 100x.