

Anti-TBK1 Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

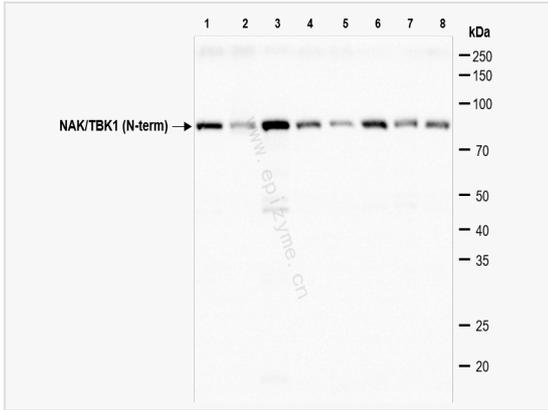
Catalog # R013839

Product Information

Application	IHC-P/IF (Tissue-P), IF (Cell)/ICC, ELISA, WB
Reactivity	Rat, Human, Mouse
Dilution	WB 1:1,000~1:4,000; IHC-P 1:100~1:200; IF 1:100~1:200
Host	Rabbit
Clonality	Monoclonal
Clone No.	35C09K73
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from human TBK1
Format	Affinity purified monoclonal antibody supplied in PBS with 0.01% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-TBK1 Rabbit mAb [35C09K73] is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Synonyms	EC 2.7.11.1, FLJ11330, FTDALS4, NAK, NF kappa B activating kinase, NF kB activating kinase, NF-kappa-B-activating kinase, Serine/threonine protein kinase TBK 1, Serine/threonine protein kinase TBK1, Serine/threonine-protein kinase TBK1, T2K, TANK binding kinase 1, TANK-binding kinase 1, TBK 1, Tbk1, TBK1_HUMAN.
Calculated MW	Calculated MW: 84 kDa; Observed MW: 84 kDa
Uniprot ID	Q9UHD2
Gene ID	29110
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.
Cellular Location	Cytoplasm.



Western Blot - Anti-NAK/TBK1 (N-term) Rabbit mAb [35C09K73]

All lanes: R013839 at 1:4,000 dilution

Lane 1: HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysates

Lane 2: Jurkat (Human T lymphocytic leukemia cell) whole cell lysates

Lane 3: HCT116 (Human colorectal carcinoma epithelial cell) whole cell lysates

Lane 4: SCC-9 (Human tongue squamous carcinoma epithelial cell) whole cell lysates

Lane 5: U2OS (Human osteosarcoma epithelial cell) whole cell lysates

Lane 6: SW620 (Human colorectal carcinoma epithelial cell) whole cell lysates

Lane 7: 293T (Human embryonic kidney cell) whole cell lysates

Lane 8: HepG2 (Human hepatocellular carcinoma epithelial cell) whole cell lysates

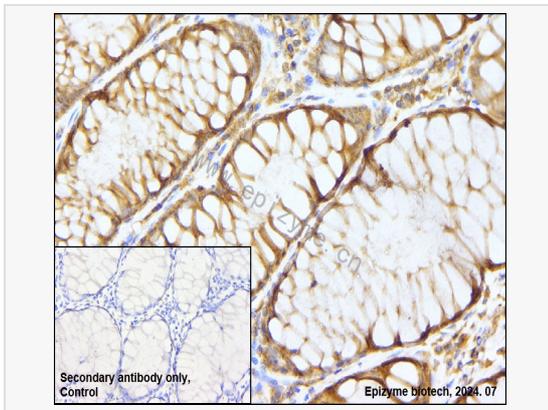
Lysates/proteins at 10 µg per lane.

Secondary antibody: Goat Anti-Rabbit IgG(H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution

Predicted band size: 84 kDa

Observed band size: 84 kDa

Developed using the ECL technique (Cat. No. SQ201).



Immunohistochemistry - Anti-NAK/TBK1 (N-term) Rabbit mAb [35C09K73]

Sample: Paraformaldehyde-fixed, paraffin embedded human colorectal carcinoma tissue
Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.

Primary antibody: R013839 at 1:200 dilution

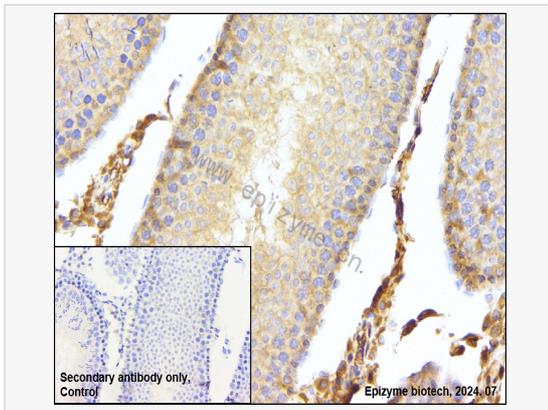
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution

DAB was used as the chromogen.

Counter stained with hematoxylin.

Positive/negative staining were presented.

Only the secondary antibody was used as the negative control.



Immunohistochemistry - Anti-NAK/TBK1 (N-term) Rabbit mAb [35C09K73]

Sample: Paraformaldehyde-fixed, paraffin embedded rat testis tissue

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.

Primary antibody: R013839 at 1:200 dilution

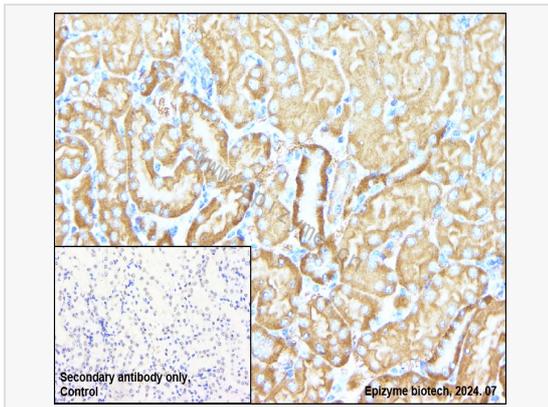
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution

DAB was used as the chromogen.

Counter stained with hematoxylin.

Positive/negative staining were presented.

Only the secondary antibody was used as the negative control.



Immunohistochemistry - Anti-NAK/TBK1 (N-term) Rabbit mAb [35C09K73]

Sample: Paraformaldehyde-fixed, paraffin embedded mouse uterus tissue

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.

Primary antibody: R013839 at 1:200 dilution

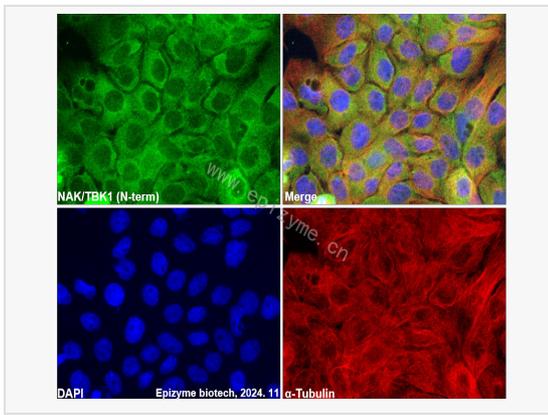
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution

DAB was used as the chromogen.

Counter stained with hematoxylin.

Positive/negative staining were presented.

Only the secondary antibody was used as the negative control.



Immunofluorescence - Anti-TBK1 Rabbit mAb [35C09K73]

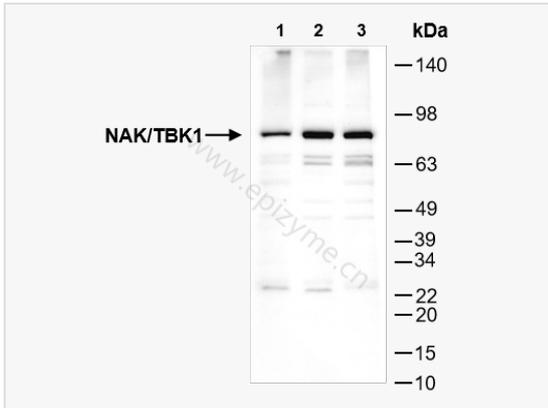
Sample: A431 cells

The cells were fixed with 4% paraformaldehyde (10 min), permeabilized with 0.5% Triton X-100 for 10 minutes and then blocked with 5% BSA in 0.1% PBS-Tween for 0.5 hours.

Primary antibodies: R013839 at 1:100 dilution and α -tubulin Mouse Monoclonal Antibody (Cat. No. LF209) at 1:100 dilution

Secondary antibodies: Goat anti-Rabbit (488) at 1:1,000 dilution (shown in green) and Goat anti-Mouse (555) at 1:1,000 dilution (shown in red)

Nuclei were stained with DAPI (shown in blue).



Western Blot - Anti-TBK1 Rabbit mAb [35C09K73]

All lanes: R013839 at 1:4,000 dilution

Lane 1: C2C12 (Mouse myoblasts epithelial cell) whole cell lysates

Lane 2: Raw264.7 (Mouse mononuclear macrophage leukemia cell) whole cell lysates

Lane 3: PC-12 (Rat adrenal pheochromocytoma epithelial cell) whole cell lysates

Lysates/proteins at 10 μ g per lane.

Secondary antibody: Goat Anti-Rabbit IgG(H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution

Predicted band size: 84 kDa

Observed band size: 84 kDa

Developed using the ECL technique (Cat. No. SQ201).