

## Anti-IKKi/IKKe Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

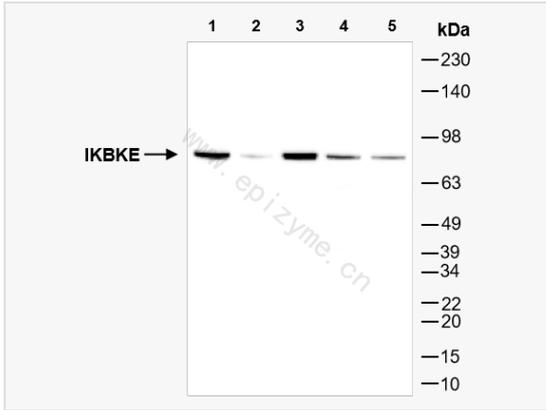
Catalog # R014494

### Product Information

Application	IF (Cell)/ICC, ELISA, IHC-P/IF (Tissue-P), WB
Reactivity	Human
Dilution	WB 1:1,000~1:2,000; IHC-P 1:100~1:200; IF 1:100~1:200
Host	Rabbit
Clonality	Monoclonal
Clone No.	17P20I74
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from human IKKi/IKKe
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-IKKi/IKKe Rabbit mAb [17P20I74] is for research use only and not for use in diagnostic or therapeutic procedures.

### Protein Information

Synonyms	I kappa B kinase epsilon, I-kappa-B kinase epsilon, IkbKE, IKK related kinase epsilon, IKK-E, IKK-epsilon, IKK-i, IKKE, IKKE_HUMAN, IKKepsilon, IKKI, Inducible I kappa B kinase, Inducible I kappa-B kinase, Inducible IkappaB kinase, Inhibitor of kappa light polypeptide gene enhancer in B cells kinase epsilon, Inhibitor of kappa light polypeptide gene enhancer in B cells, kinase of, epsilon, Inhibitor of nuclear factor kappa-B kinase subunit epsilon, KIAA0151, MGC125294, MGC125295, MGC125297.
Calculated MW	Calculated MW: 80 kDa; Observed MW: 80 kDa
Uniprot ID	Q14164
Gene ID	9641
Background	Phosphorylates inhibitors of NF-kappa-B thus leading to the dissociation of the inhibitor/NF-kappa-B complex and ultimately the degradation of the inhibitor. May play a special role in the immune response. Protects cells against DNA damage-induced cell death.
Cellular Location	Cytoplasm. Nucleus. Nucleus > PML body. Targeting to PML nuclear bodies upon DNA damage is TOPORS-dependent.
Tissue Location	Highly expressed in spleen followed by thymus, peripheral blood leukocytes, pancreas, placenta. Weakly expressed in lung, kidney, prostate, ovary and colon.



Western Blot - Anti-IKKi/IKKe Rabbit mAb [17P20174]

All lanes: R014494 at 1:1,000 dilution

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

Lane 2: HepG2 (Human hepatocarcinoma epithelial cell) whole cell lysates

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

Lane 4: A431 (Human epidermoid teratoma cell line) whole cell lysates

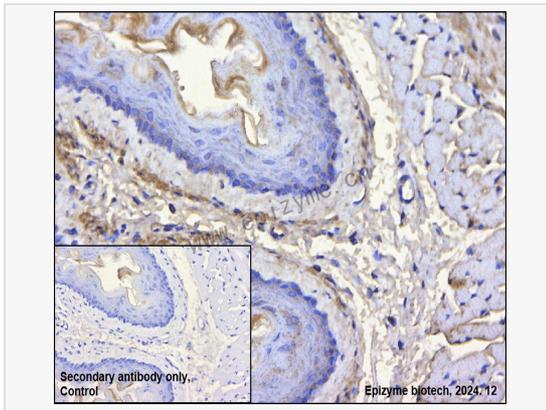
Lane 5: T24 (Human bladder cancer epithelial cell) whole cell lysates

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

Predicted band size: 80 kDa

Observed band size: 80 kDa

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



Immunohistochemistry - Anti-IKKi/IKKe Rabbit mAb [17P20174]

Sample: Paraformaldehyde-fixed, paraffin embedded rat adrenal gland tissue

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

Primary antibody: R014494 at 1:200 dilution

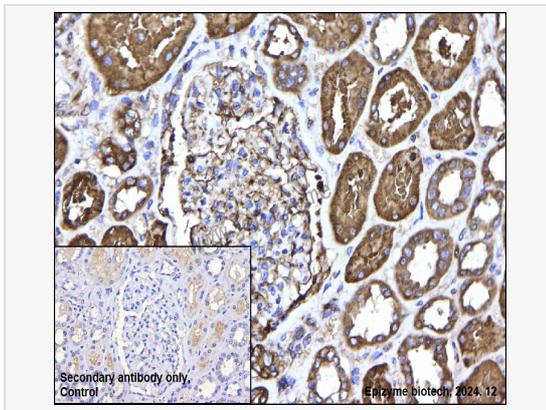
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution

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-IKKi/IKKe Rabbit mAb [17P20174]

Sample: Paraformaldehyde-fixed, paraffin embedded human renal carcinoma tissue

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

Primary antibody: R014494 at 1:200 dilution

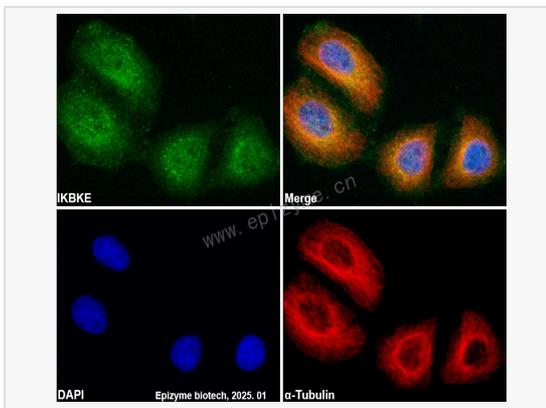
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution

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-IKKi/IKKe Rabbit mAb [17P20174]

Sample: HeLa 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: R014494 at 1:100 dilution and  $\alpha$ -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).