

## Anti-IKKi/IKKe Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

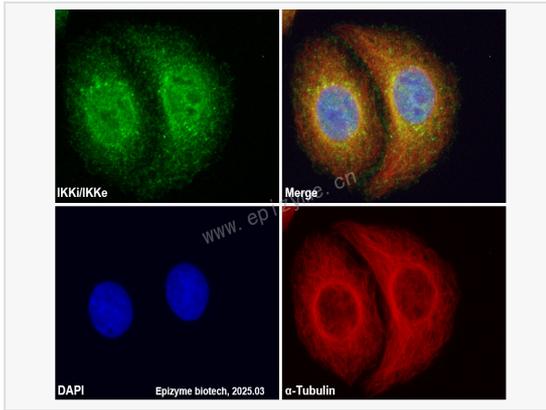
Catalog # R015006

### Product Information

|             |   |
|-------------|---|
| Application | WB, IHC-P/IF (Tissue-P), IF (Cell)/ICC, ELISA   |
| Reactivity  | Human   |
| Dilution    | WB 1:1,000~1:5,000; IHC-P 1:100~1:200; IF 1:100~1:200   |
| Host        | Rabbit  |
| Clonality   | Monoclonal  |
| Clone No.   | 15E63C87  |
| 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 [15E63C87] 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: 81 kDa; Observed MW: 81 kDa  |
| Uniprot ID        | Q14164  |
| Gene ID           | 9641  |
| Background        | IKBKE is a noncanonical I-kappa-B (see MIM 164008) kinase (IKK) that is essential for regulating antiviral signaling pathways. IKBKE has also been identified as a breast cancer (MIM 114480) oncogene and is amplified and overexpressed in over 30% of breast carcinomas and breast cancer cell lines (Hutti et al., 2009 [PubMed 19481526]).[supplied by OMIM, Oct 2009]   |
| 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.  |



Immunofluorescence - Anti-IKKi/IKKe Rabbit mAb [15E63C87]

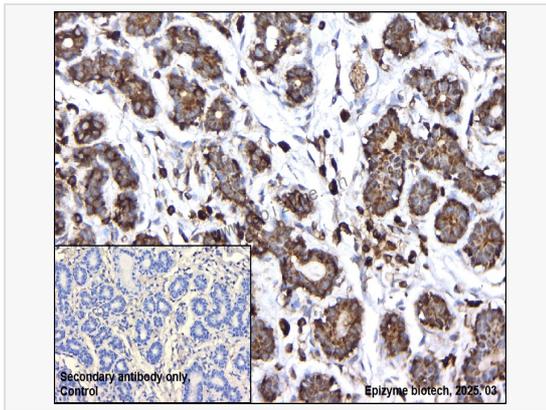
Sample: HeLa cells

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: R015006 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).



Immunohistochemistry - Anti-IKKi/IKKe Rabbit mAb [15E63C87]

Sample: Paraformaldehyde-fixed, paraffin embedded human breast cancer tissue

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

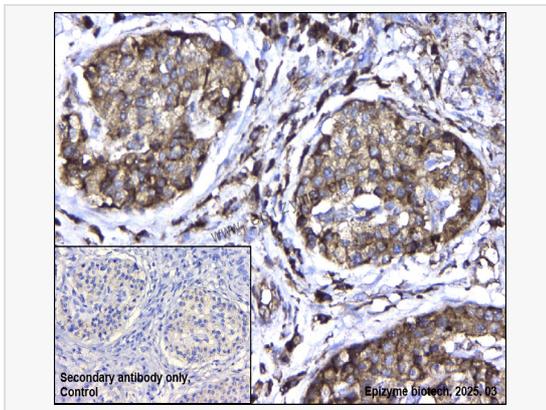
Primary antibody: R015006 at 1:200 dilution

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 [15E63C87]

Sample: Paraformaldehyde-fixed, paraffin embedded human pancreatic cancer tissue

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

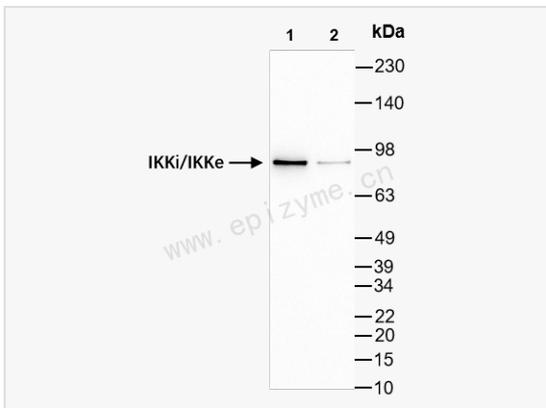
Primary antibody: R015006 at 1:200 dilution

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.



Western Blot - Anti-IKKi/IKKe Rabbit mAb [15E63C87]

All lanes: R015006 at 1:5,000 dilution

Lane 1: HCT116 (Human colorectal carcinoma epithelial cell) whole cell lysates

Lane 2: HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysates

Lysates/proteins at 10  $\mu$ g per lane.

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

Predicted band size: 81 kDa

Observed band size: 81 kDa

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