

Anti-IKK alpha Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

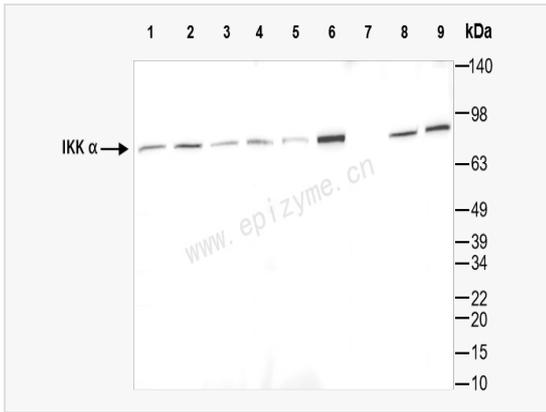
Catalog # R014989

Product Information

Application	WB, IHC-P/IF (Tissue-P), IF (Cell)/ICC, ELISA
Reactivity	Human, Mouse, Rat
Dilution	WB 1:2,000~1:10,000; IHC-P 1:100~1:500; IF 1:200~1:1,000
Host	Rabbit
Clonality	Monoclonal
Clone No.	90J36Q24
Isotype	IgG
Label	Unconjugated
Immunogen	Recombinant protein of human IKK alpha
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-IKK alpha Rabbit mAb [90J36Q24] is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Synonyms	chuk, CHUK1, Conserved Helix Loop Helix Ubiquitous Kinase, Conserved helix loop ubiquitous kinase, Conserved helix-loop-helix ubiquitous kinase, I Kappa B Kinase 1, I Kappa B Kinase Alpha, I-kappa-B kinase 1, I-kappa-B kinase alpha, IkappaB kinase, Ikb kinase alpha subunit, IkbKA, IKK 1, IKK A, IKK a kinase, IKK-A, IKK-alpha, IKK1, IKKA, IKKA_HUMAN, Inhibitor Of Kappa Light Polypeptide Gene Enhancer In B Cells, Inhibitor Of Nuclear Factor Kappa B Kinase Alpha Subunit, Inhibitor of nuclear factor kappa-B kinase subunit alpha, NFKBIKA, Nuclear Factor Kappa B Inhibitor Kinase Alpha, Nuclear factor NF kappa B inhibitor kinase alpha, Nuclear factor NF-kappa-B inhibitor kinase alpha, Nuclear factor NFkappaB inhibitor kinase alpha, Nuclear Factor Of Kappa Light Chain Gene Enhancer In B Cells Inhibitor, TCF-16, TCF16, Transcription factor 16.
Calculated MW	Calculated MW: 85 kDa; Observed MW: 85 kDa
Uniprot ID	O15111
Gene ID	1147
Background	This gene encodes a member of the serine/threonine protein kinase family. The encoded protein, a component of a cytokine-activated protein complex that is an inhibitor of the essential transcription factor NF-kappa-B complex, phosphorylates sites that trigger the degradation of the inhibitor via the ubiquination pathway, thereby activating the transcription factor. [provided by RefSeq, Jul 2008]
Cellular Location	Cytoplasm, Nucleus. Shuttles between the cytoplasm and the nucleus.
Tissue Location	Widely expressed.



Western Blot - Anti-IKK alpha Rabbit mAb [90J36Q24]

All lanes: R014989 at 1:5,000 dilution

Lane 1: HepG2 (Human hepatocarcinoma epithelial cell) whole cell lysates

Lane 2: HCT116 (Human colorectal carcinoma epithelial cell) whole cell lysates

Lane 3: A431 (Human epidermoid teratoma cell line) whole cell lysates

Lane 4: Caco2 (Human colorectal adenocarcinoma epithelial cell) whole cell lysates

Lane 5: Jurkat (Human T lymphocytic leukemia cell) whole cell lysates

Lane 6: 293T (Human embryonic kidney cell) whole cell lysates

Lane 7: SCC-9 (Human tongue squamous carcinoma epithelial cell) whole cell lysates

Lane 8: C2C12 (Mouse myoblasts epithelial cell) whole cell lysates

Lane 9: Rat liver whole tissue lysates

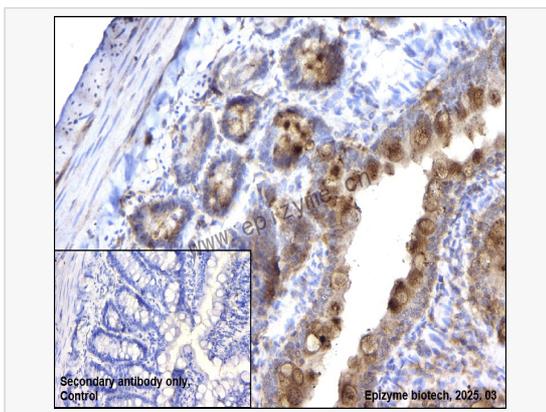
Lysates/proteins at 10 µg per lane.

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

Predicted band size: 85 kDa

Observed band size: 85 kDa

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



Immunohistochemistry - Anti-IKK alpha Rabbit mAb [90J36Q24]

Sample: Paraformaldehyde-fixed, paraffin embedded rat colon tissue

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

Primary antibody: R014989 at 1:300 dilution

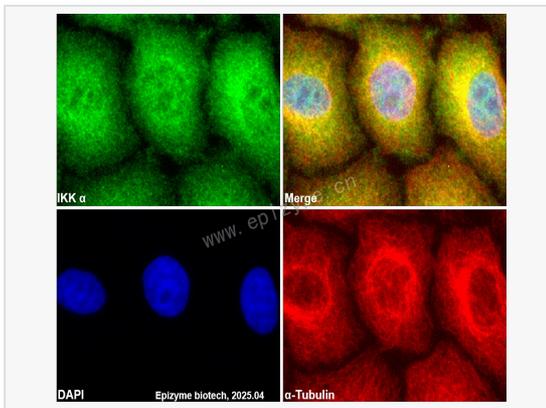
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution

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-IKK alpha Rabbit mAb [90J36Q24]

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: R014989 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).