

Anti-Rel B Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

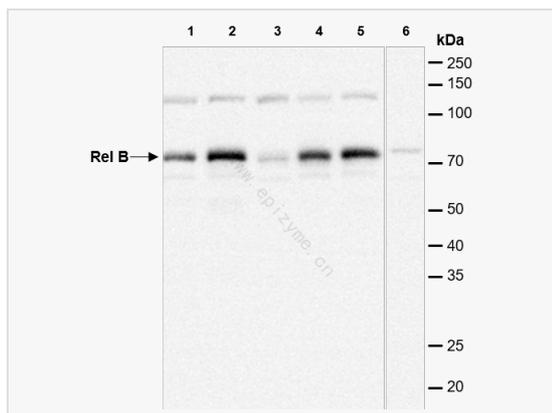
Catalog # R013639

Product Information

Application	IHC-P/IF (Tissue-P), WB, IF (Cell)/ICC, ELISA
Reactivity	Human, Rat
Dilution	WB 1:1,000~1:2,000; IHC-P 1:200; IF 1:100
Host	Rabbit
Clonality	Monoclonal
Clone No.	47M74K92
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from human Rel B
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-Rel B Rabbit mAb [47M74K92] is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Synonyms	RELB, Transcription factor RelB, I-Rel.
Calculated MW	Calculated MW: 62 kDa; Observed MW: 70 kDa
Uniprot ID	Q01201
Gene ID	5971
Background	Transcription factors of the nuclear factor κ B (NF- κ B)/Rel family play a pivotal role in inflammatory and immune responses. Involved in many biological processes such as inflammation, immunity, differentiation, cell growth, tumorigenesis and apoptosis.
Cellular Location	Nucleus. Cytoplasm > cytoskeleton > centrosome. Co-localizes with NEK6 in the centrosome.



Western Blot - Anti-Rel B Rabbit mAb [47M74K92]

All lanes: R013639 at 1:1,000 dilution

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

Lane 2: MCF7 (human breast adenocarcinoma epithelial cell) whole cell lysates

Lane 3: Jurkat (human T lymphocytic leukemia cell) whole cell lysates

Lane 4: HCT116 (human colorectal carcinoma epithelial cell) whole cell lysates

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

Lane 6: Rat kidney whole tissue lysates

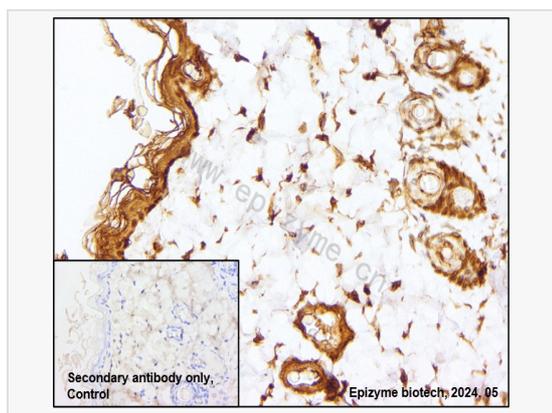
Lysates/proteins at 10 µg per lane.

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

Predicted band size: 62 kDa

Observed band size: 70 kDa

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



Immunohistochemistry - Anti-Rel B Rabbit mAb [47M74K92]

Sample: Paraformaldehyde-fixed, paraffin embedded rat skin tissue

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

Primary antibody: R013639 at 1:200 dilution

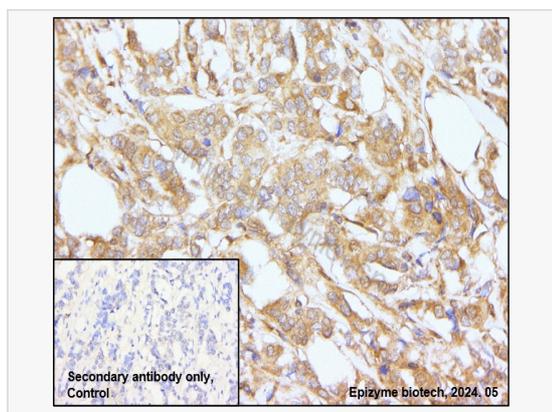
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution

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-Rel B Rabbit mAb [47M74K92]

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: R013639 at 1:200 dilution

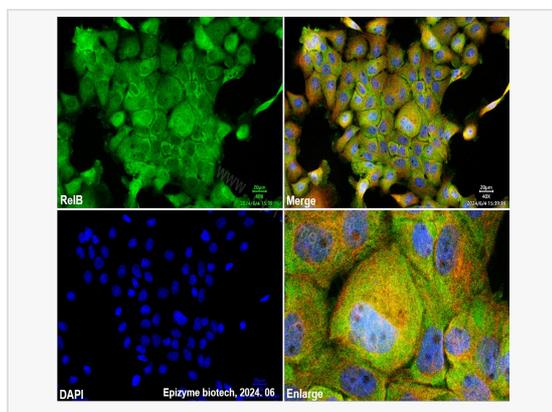
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution

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-Rel B Rabbit mAb [47M74K92]

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: R013639 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).