Anti-Phospho-NF-kB p65 (Ser536) Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

Catalog # R013789

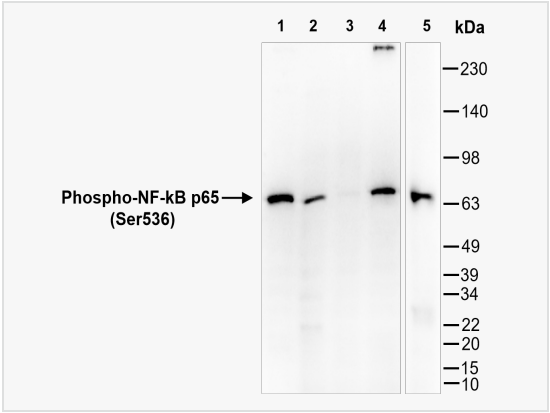
Product Information

Application	WB, IHC-P/IF (Tissue-P), IF (Cell)/ICC, ELISA
Reactivity	Mouse, Rat, Human
Dilution	WB 1:1,000~1:2,000; IHC-P 1:200; IF 1:100
Host	Rabbit
Clonality	Monoclonal
Clone No.	12L74M11
Isotype	IgG
Label	Unconjugated
Immunogen	A synthetic phosphopeptide corresponding to residues surrounding Ser536 of human NF-kB p65
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-Phospho-NF-kB p65 (Ser536) Rabbit mAb [12L74M11] is for research use only and not for use in diagnostic or therapeutic procedures.

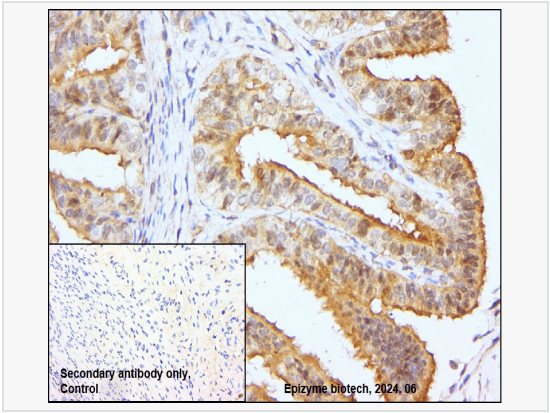
Protein Information

Synonyms	p65, NFKB3, NF-kB p65, Avian reticuloendotheliosis viral (v rel) oncogene homolog A, MGC131774, NFKB3, Nuclear Factor NF Kappa B p65 Subunit, Nuclear factor of kappa light polypeptide gene enhancer in B cells 3, Nuclear Factor of Kappa Light Polypeptide Gene Enhancer In B Cells, p65, p65 NF kappaB, p65 NFkB, RELA, Transcription Factor p65, nuclear factor of kappa light polypeptide gene enhancer in B cells 3 (p65), V Rel Avian Reticuloendotheliosis Viral Oncogene Homolog A, v-rel reticuloendotheliosis viral oncogene homolog A.
Calculated MW	65 kDa
Uniprot ID	Q04206
Gene ID	5970, 19697, 309165
Background	NF-kappa-B is a ubiquitous transcription factor involved in several biological processes. It is held in the cytoplasm in an inactive state by specific inhibitors. Upon degradation of the inhibitor, NF-kappa-B moves to the nucleus and activates transcription of specific genes. NF-kappa-B is composed of NFKB1 or NFKB2 bound to either REL, RELA, or RELB. The most abundant form of NF-kappa-B is NFKB1 complexed with the product of this gene, RELA. Four transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Sep 2011]
Cellular Location	Nucleus. Cytoplasm. Nuclear, but also found in the cytoplasm in an inactive form complexed to an inhibitor (I-kappa-B). Colocalized with RELA in the nucleus upon TNF-alpha induction.

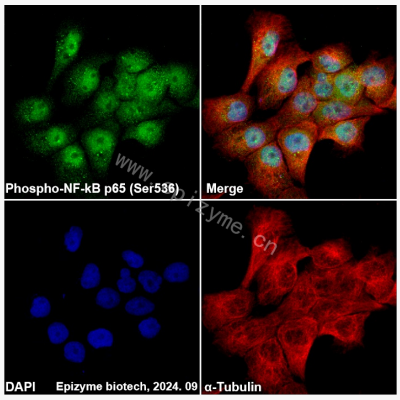
Validation Images



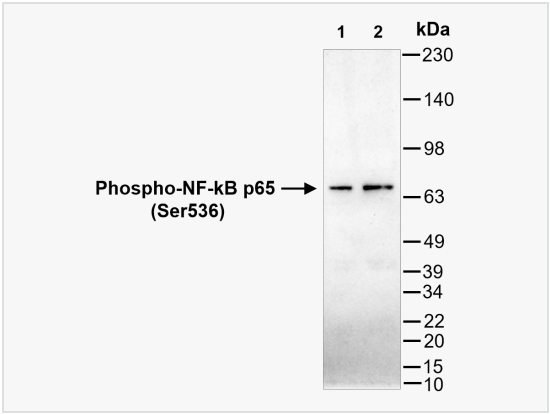
Western Blot - Anti-Phospho-NF-kB p65 (Ser536) Rabbit mAb [12L74M11]
All lanes: R013789 at 1:1,000 dilution
Lane 1: MCF-7 (human breast adenocarcinoma epithelial cell) whole cell lysates
Lane 2: Jurkat (Human T lymphocytic leukemia cell) whole cell lysates
Lane 3: HCT116 (Human colorectal carcinoma epithelial cell) whole cell lysates
Lane 4: T24 (Human bladder cancer epithelial cell) whole cell lysates
Lane 5: Mouse 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: 65 kDa
Observed band size: 65 kDa
Developed using the ECL technique (Cat. No. SQ201).



Immunohistochemistry - Anti-Phospho-NF-kB p65 (Ser536) Rabbit mAb [12L74M11]
Sample: Paraformaldehyde-fixed, paraffin embedded rat ovary tissue
Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.
Primary antibody: R013789 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-Phospho-NF-kB p65 (Ser536) Rabbit mAb [12L74M11]
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: R013789 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-Phospho-NF-kB p65 (Ser536) Rabbit mAb [12L74M11]
All lanes: R013789 at 1:1,000 dilution
Lane 1: HeLa (human cervix adenocarcinoma epithelial cell) whole cell lysates
Lane 2: T24 (Human bladder cancer 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: 65 kDa
Observed band size: 65 kDa
Developed using the ECL technique (Cat. No. SQ201).