

A19653

Leader in Biomolecular Solutions for Life Science



NF-kB p65/RelA Rabbit mAb

Catalog No.: A19653

Recombinant

75 Publications

Basic Information

Observed MW

65kDa

Calculated MW

60kDa

Category

SMab Recombinant Monoclonal Antibody

Applications

WB, IHC-P, IF/ICC, ChIP, ELISA

Cross-Reactivity

Human, Mouse, Rat, Monkey

CloneNo number

ARC51086

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.

Recommended Dilutions

WB	1:500 - 1:1000
IHC-P	1:500 - 1:1000
IF/ICC	1:50 - 1:200
ChIP	5µg antibody for 10µg-15µg of Chromatin

Immunogen Information

Gene ID

5970

Swiss Prot

Q04206

Immunogen

A synthetic peptide corresponding to a sequence within amino acids 450-551 of human NF-kB p65 (Q04206).

Synonyms

p65; CMCU; NFKB3; AIF3BL3; NF-kB p65/RelA

Contact



www.abclonal.com

Product Information

Source

Rabbit

Isotype

IgG

Purification

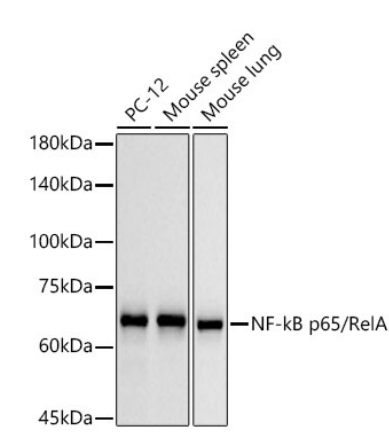
Affinity purification

Storage

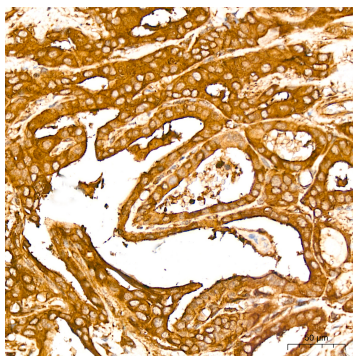
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.05% proclin300, 0.05% BSA, 50% glycerol, pH7.3.

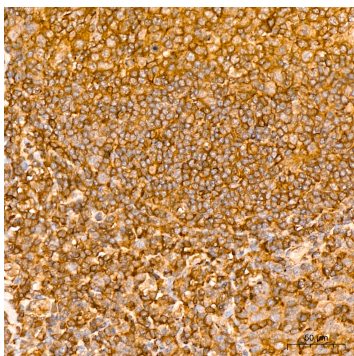
Validation Data



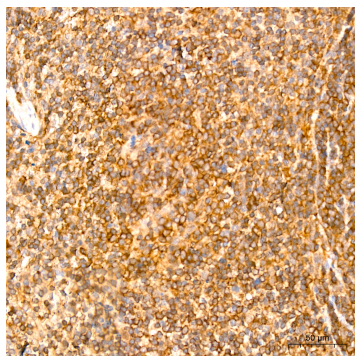
Western blot analysis of various lysates, using NF-kB p65/RelA Rabbit mAb (A19653) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 10s.



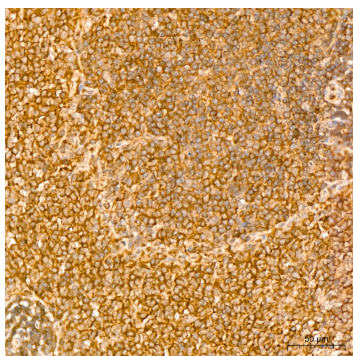
Immunohistochemistry analysis of NF-kB p65/RelA in paraffin-embedded human thyroid cancer tissue using NF-kB p65/RelA Rabbit mAb (A19653) at a dilution of 1:800 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



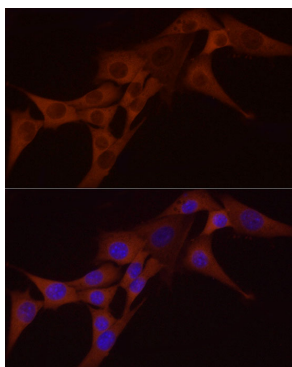
Immunohistochemistry analysis of NF-kB p65/RelA in paraffin-embedded mouse tonsil tissue using NF-kB p65/RelA Rabbit mAb (A19653) at a dilution of 1:800 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



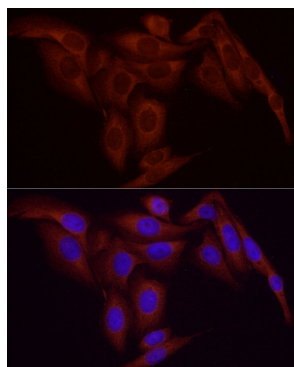
Immunohistochemistry analysis of NF-kB p65/RelA in paraffin-embedded mouse spleen tissue using NF-kB p65/RelA Rabbit mAb (A19653) at a dilution of 1:800 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of NF-kB p65/RelA in paraffin-embedded rat spleen tissue using NF-kB p65/RelA Rabbit mAb (A19653) at a dilution of 1:800 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



Immunofluorescence analysis of NIH/3T3 cells using NF-kB p65/RelA Rabbit mAb (A19653) at dilution of 1:100 (40x lens). Secondary antibody: Cy3 Goat Anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of U-2 OS cells using NF-kB p65/RelA Rabbit mAb (A19653) at dilution of 1:100 (40x lens). Secondary antibody: Cy3 Goat Anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



Chromatin immunoprecipitation analysis of extracts of HT-1080 treated by TNF-α (20 ng/ml) at 37°C for 30 minutes, using NF-kB p65/RelA Rabbit mAb antibody (A19653) and rabbit IgG. The amount of immunoprecipitated DNA was checked by quantitative PCR. Histogram was constructed by the ratios of the immunoprecipitated DNA to the input.