A19653

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[KO Validated] NF-kB p65/RelA Rabbit mAb

Catalog No.: A19653 KO Validated Recombinant 96 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	1:5000 - 1:20000
IHC-P	1:500 - 1:2000
IF/ICC	1:50 - 1:200
ELISA	Recommended starting concentration is 1 μg/mL. Please optimize the concentration based on your specific assay requirements.
ChIP	5μg antibody for 10μg-15μg of Chromatin

Contact

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Immunogen Information

Gene ID
5970

Swiss Prot
Q04206

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

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

Product Information

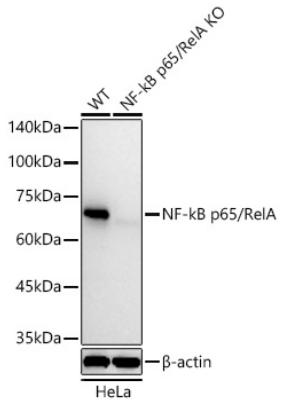
Source
Rabbit

Isotype
IgG

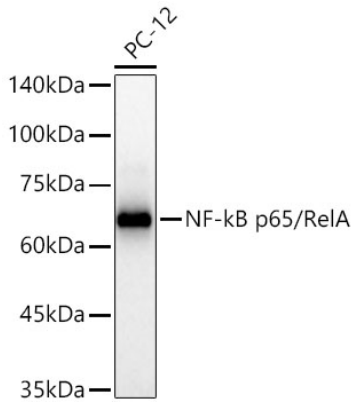
Purification
Affinity purification

Storage
Store at -20℃. Avoid freeze / thaw cycles.
Buffer: PBS with 0.09% sodium azid,0.05% BSA,50% glycerol,pH7.3.

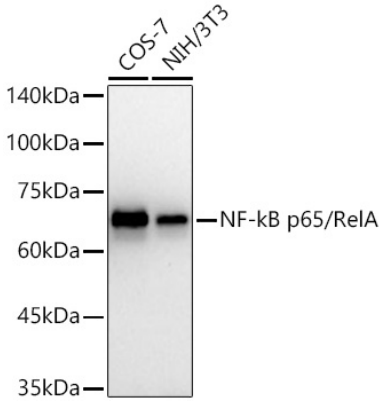
Validation Data



Western blot analysis of lysates from wild type (WT) and NF-kB p65/RelA knockout (KO) HeLa cells using NF-kB p65/RelA Rabbit mAb (A19653) at 1:10000 dilution incubated overnight at 4℃.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 30s.

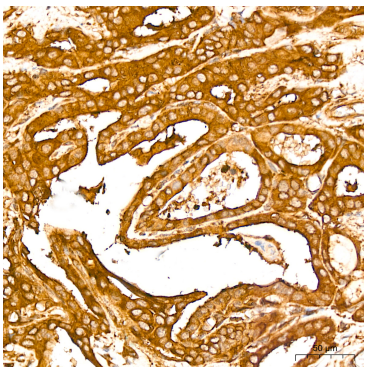


Western blot analysis of lysates from PC-12 cells using NF-kB p65/RelA Rabbit mAb (A19653) at 1:10000 dilution incubated overnight at 4℃.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 30s.

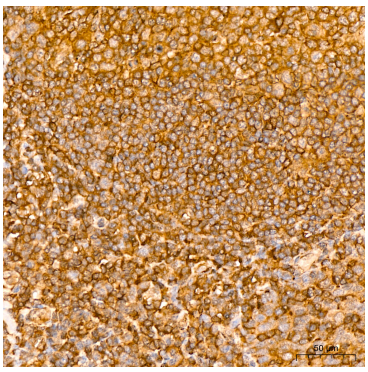


Western blot analysis of various lysates using NF-kB p65/RelA Rabbit mAb (A19653) at 1:10000 dilution incubated overnight at 4℃.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 60s.

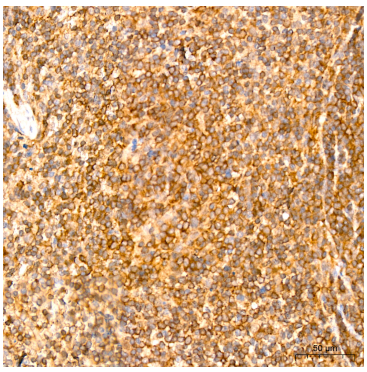
Validation Data



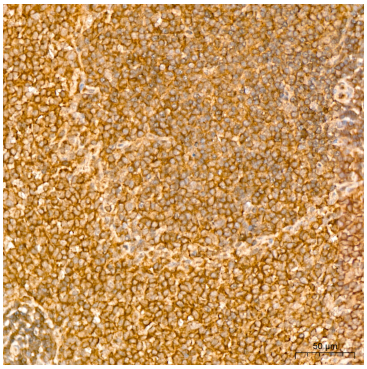
Immunohistochemistry analysis of paraffin-embedded Human thyroid cancer tissue using NF-kB p65/RelA Rabbit mAb (A19653) at a dilution of 1:800 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.



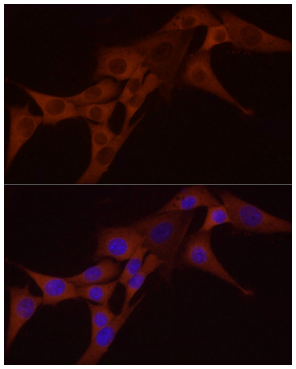
Immunohistochemistry analysis of paraffin-embedded Human tonsil tissue using NF-kB p65/RelA Rabbit mAb (A19653) at a dilution of 1:800 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.



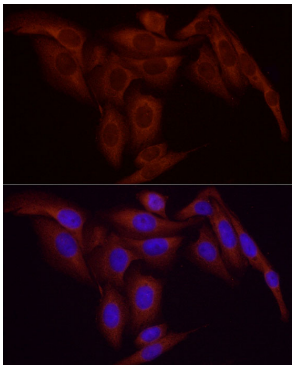
Immunohistochemistry analysis of paraffin-embedded Mouse spleen tissue using NF-kB p65/RelA Rabbit mAb (A19653) at a dilution of 1:800 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.



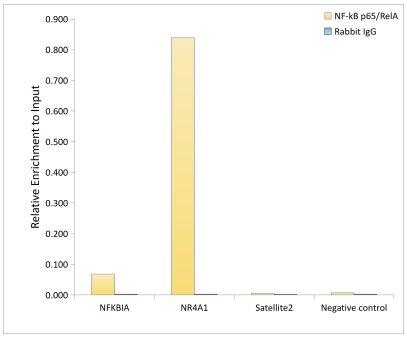
Immunohistochemistry analysis of paraffin-embedded Rat spleen tissue using NF-kB p65/RelA Rabbit mAb (A19653) at a dilution of 1:800 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.



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



Chromatin immunoprecipitation was performed with 10 µg of cross-linked chromatin from HT-1080 cells treated by TNF-α (20 ng/ml) at 37℃ for 30 minutes, using 5 µg of NF-kB p65/RelA Rabbit mAb antibody (A19653) and Rabbit IgG isotype control (AC042). The enrichment of immunoprecipitated DNA at different genomic loci was examined by quantitative PCR. The histogram compares the ratio of the immunoprecipitated DNA to the input at given loci.