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

Catalog No.: A19653 KO Validated Recombinant 154 Publications

Basic Information

Observed MW
65kDa

Calculated MW
60kDa

Category
Primary antibody

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

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	1:2000 - 1:8000
IF/ICC	1:600 - 1:2400
ChIP	5μg antibody for 10μg-15μg of Chromatin
ELISA	Recommended starting concentration is 1 μg/mL. Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID
5970

Swiss Prot
Q04206

Immunogen
Synthetic peptide. This information is considered to be commercially sensitive.

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 azide,0.05% BSA,50% glycerol,pH7.3.

Contact

400-999-6126

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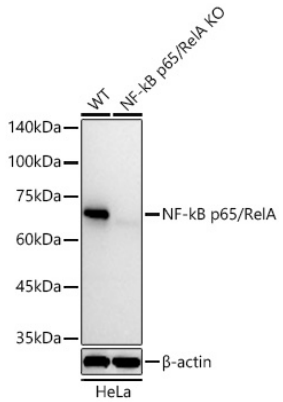
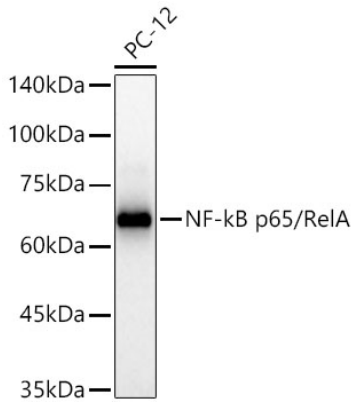
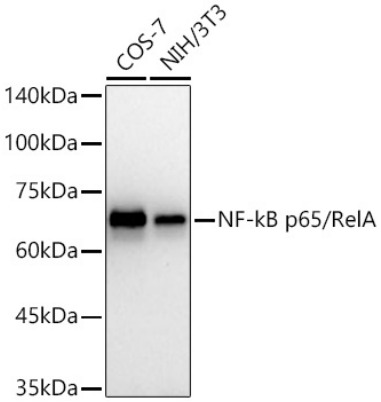
Validation Data



Western blot analysis of lysates from wild type (WT) and NF-kB p65/RelA knockout (KO) HeLa cells using [KO Validated] 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.

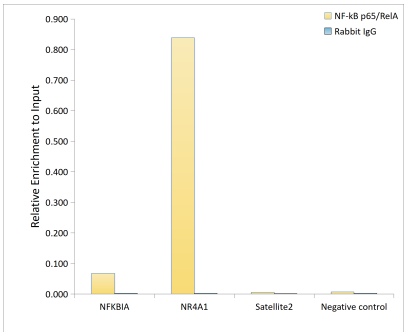


Western blot analysis of lysates from PC-12 cells using [KO Validated] NF-kB p65/RelA Rabbit mAb (A19653) at 1:10000 dilution incubated overnight at 4℃.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% nonfat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

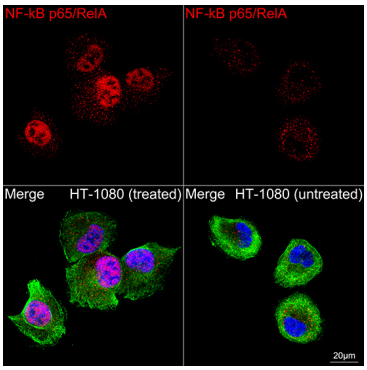


Western blot analysis of various lysates using [KO Validated] NF-kB p65/RelA Rabbit mAb (A19653) at 1:10000 dilution incubated overnight at 4℃.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% nonfat dry milk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

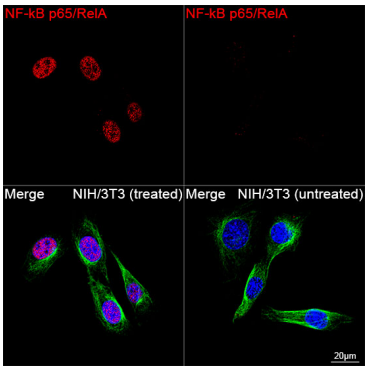
Validation Data



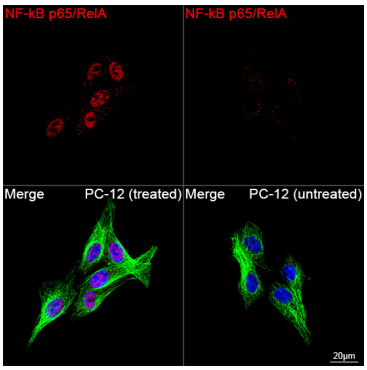
Chromatin immunoprecipitation was performed with 10 µg of cross-linked chromatin from HT-1080 cells treated by TNF-α (20 ng/ml) at 37℃ for 30 minutes, using 5 µg of [KO Validated] NF-kB p65/RelA Rabbit mAb (A19653) and Rabbit IgG isotype control (AC042). The enrichment of immunoprecipitated DNA at different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



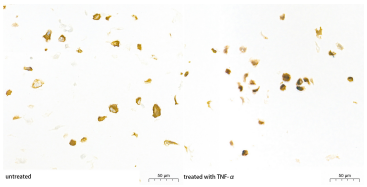
Confocal imaging of HT-1080 cells (treated with TNF-α) and HT-1080 cells (untreated) cells using [KO Validated] NF-kB p65/RelA Rabbit mAb (A19653, dilution 1:2100) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). The cells were counterstained with α-Tubulin Mouse mAb (AC012, dilution 1:400) followed by incubation with ABflo® 488-conjugated Goat Anti-Mouse IgG (H+L) Ab (AS076, dilution 1:500) (Green). DAPI was used for nuclear staining (Blue). Objective: 100x.



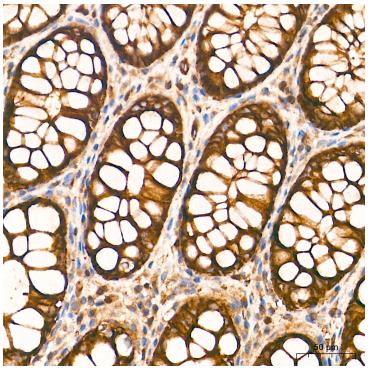
Confocal imaging of NIH/3T3 cells (treated with TNF-α) and NIH/3T3 cells (untreated) cells using [KO Validated] NF-kB p65/RelA Rabbit mAb (A19653, dilution 1:2100) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). The cells were counterstained with α-Tubulin Mouse mAb (AC012, dilution 1:400) followed by incubation with ABflo® 488-conjugated Goat Anti-Mouse IgG (H+L) Ab (AS076, dilution 1:500) (Green). DAPI was used for nuclear staining (Blue). Objective: 100x.



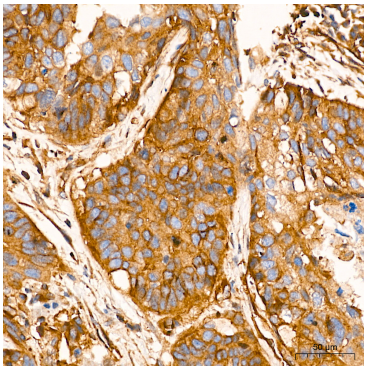
Confocal imaging of PC-12 cells (treated with TNF-α) and PC-12 cells (untreated) cells using [KO Validated] NF-kB p65/RelA Rabbit mAb (A19653, dilution 1:2100) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). The cells were counterstained with α-Tubulin Mouse mAb (AC012, dilution 1:400) followed by incubation with ABflo® 488-conjugated Goat Anti-Mouse IgG (H+L) Ab (AS076, dilution 1:500) (Green). DAPI was used for nuclear staining (Blue). Objective: 100x.



Immunohistochemistry analysis of paraffin-embedded HT-1080 cell lines(untreated and treated with TNF-α) using [KO Validated] NF-kB p65/RelA Rabbit mAb (A19653) at a dilution of 1:3000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Human colon tissue using [KO Validated] NF-kB p65/RelA Rabbit mAb (A19653) at a dilution of 1:3000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Human lung cancer tissue using [KO Validated] NF-kB p65/RelA Rabbit mAb (A19653) at a dilution of 1:3000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.