[KO Validated] NF-kB p65/RelA Monoclonal Antibody

CAB19653

Description

This [KO Validated] NF-kB p65/RelA Monoclonal Antibody is supplied as a kit for advanced applications. The kit includes Bradford Reagent to quantify total protein concentration for accurate sample normalization (Optional).

Product Information

SKU:	CAB19653
Contents:	20 µL, 100 µL Bradford Reagent: 1 vial (2ml)
Category:	Monoclonal Antibody
Synonyms:	p65, CMCU, NFKB3, AIF3BL3, NF-kB p65/RelA
Clone:	ARC51086
Applications:	WB IHC-P IF/ICC ChIP ELISA
Conjugation:	Unconjugated
Reactivity:	Human, Mouse, Rat, Monkey

Antibody Data

Gene ID:	5970
Uniprot:	AB_2862717
Host Species:	Rabbit
Purification:	Affinity purification
Observed MW:	65kDa
Calculated MW:	60kDa

Preparation & Storage

Storage: Store at -20℃. Avoid freeze / thaw cycles. Buffer: PBS with 0.09% Sodium azide,0.05% BSA,50% glycerol,pH7.3.
Store Bradford Reagent at Room Temperature for 1 Year.

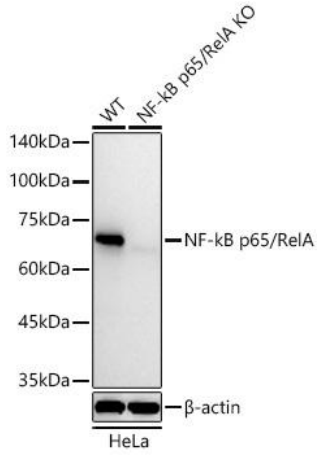
Positive Sample: HeLa, PC-12, COS-7, NIH/3T3

Recommended Dilutions:

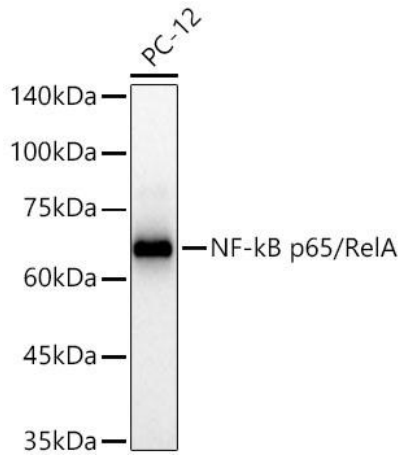
WB	1:5000 - 1:20000
IHC-P	1:2000 - 1:8000
IF/ICC	1:600 - 1:2400 ChIP 5µg antibody for 10µg-15µg of Chromatin
ELISA	Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

Protein Quantification (Optional): To quantify total protein levels, use the Bradford Reagent included in this kit. Visit https://www.assaygenie.com/bradford-protein-assay-protocol/ to view the full protocol

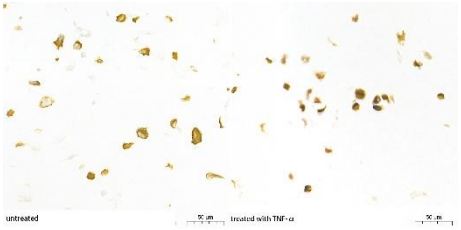
Validation Data



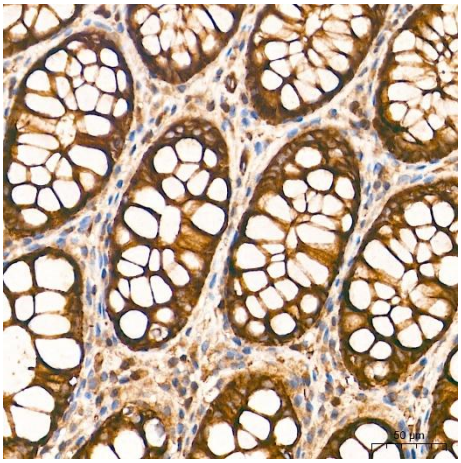
Western blot analysis of lysates from wild type (WT) and NF-kB p65/RelA knockout (KO) HeLa cells using [KO Validated] NF-kB p65/RelA Rabbit mAb (CAB19653) at 1:10000 dilution incubated overnight at 4℃. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (AbGn00020). Exposure time: 30s.



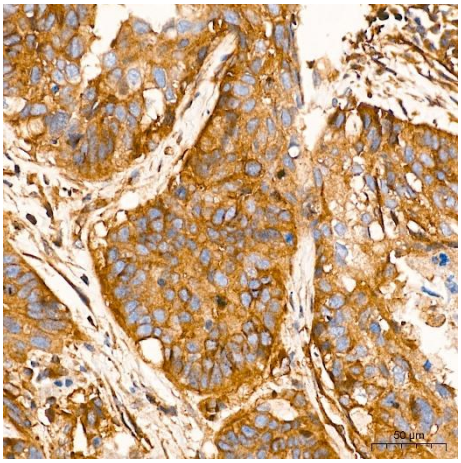
Western blot analysis of lysates from PC-12 cells using [KO Validated] NF-kB p65/RelA Rabbit mAb (CAB19653) at 1:10000 dilution incubated overnight at 4℃. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (AbGn00020). Exposure time: 30s.



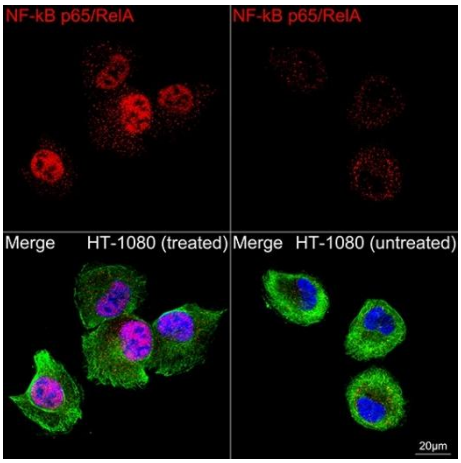
Immunohistochemistry analysis of paraffin-embedded HT-1080 cell lines(untreated and treated with TNF-α) using [KO Validated] NF-kB p65/RelA Rabbit mAb (CAB19653) at a dilution of 1:3000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



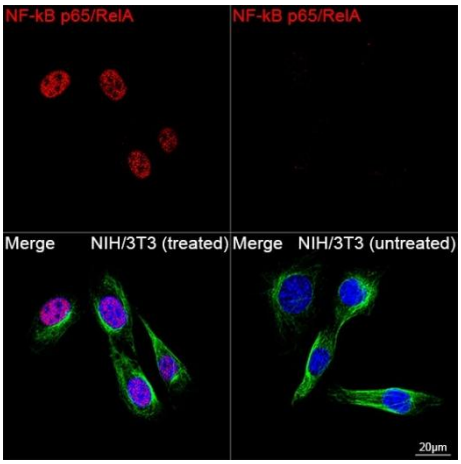
Immunohistochemistry analysis of paraffin-embedded Human colon tissue using [KO Validated] NF-kB p65/RelA Rabbit mAb (CAB19653) at a dilution of 1:3000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



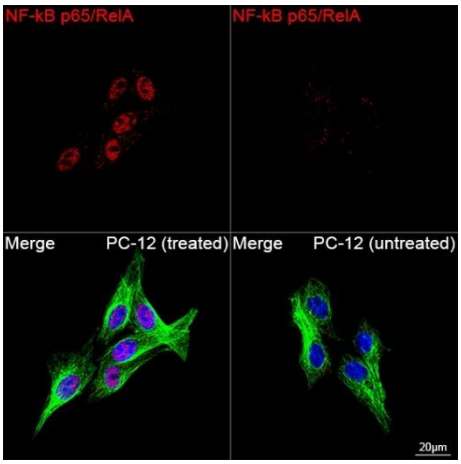
Confocal imaging of HT-1080 cells (treated with TNF-α) and HT-1080 cells (untreated) cells using [KO Validated] NF-kB p65/RelA Rabbit mAb (CAB19653, dilution 1:2100) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (CABS007, dilution 1:500) (Red). The cells were counterstained with α-Tubulin Mouse mAb (CABC012, dilution 1:400) followed by incubation with ABflo® 488-conjugated Goat Anti-Mouse IgG (H+L) Ab (, dilution 1:500) (Green). DAPI was used for nuclear staining (Blue). Objective: 100x.



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 (CAB19653, dilution 1:2100) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (CABS007, dilution 1:500) (Red). The cells were counterstained with α-Tubulin Mouse mAb (CABC012, dilution 1:400) followed by incubation with ABflo® 488-conjugated Goat Anti-Mouse IgG (H+L) Ab (, 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 (CAB19653, dilution 1:2100) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (CABS007, dilution 1:500) (Red). The cells were counterstained with α-Tubulin Mouse mAb (CABC012, dilution 1:400) followed by incubation with ABflo® 488-conjugated Goat Anti-Mouse IgG (H+L) Ab (, 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 (CAB19653, dilution 1:2100) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (CABS007, dilution 1:500) (Red). The cells were counterstained with α-Tubulin Mouse mAb (CABC012, dilution 1:400) followed by incubation with ABflo® 488-conjugated Goat Anti-Mouse IgG (H+L) Ab (, dilution 1:500) (Green). DAPI was used for nuclear staining (Blue). Objective: 100x.