

# [KO Validated] NF- $\kappa$ B p65/RelA Rabbit mAb

Catalog No.: A19653

KO Validated

Recombinant

147 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** 5 $\mu$ g antibody for  
10 $\mu$ g-15 $\mu$ g of Chromatin**ELISA** Recommended starting  
concentration is 1  $\mu$ g/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- $\kappa$ B p65/RelA

## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

Affinity purification

### Storage

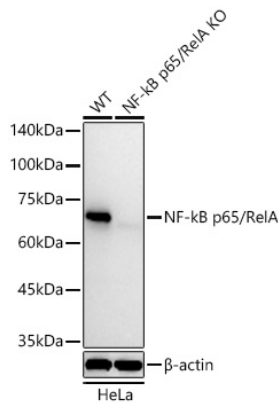
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.09% Sodium azide, 0.05% BSA, 50% glycerol, pH7.3.

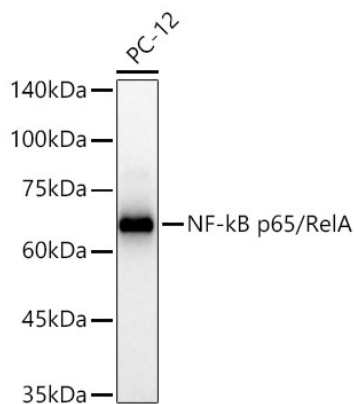
## Contact

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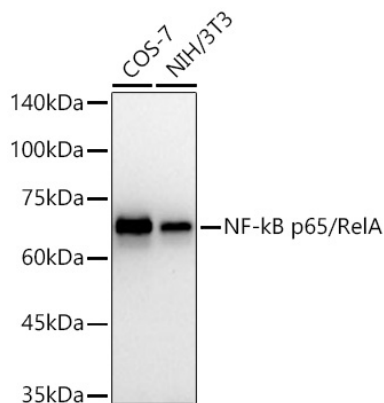
Validation Data



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

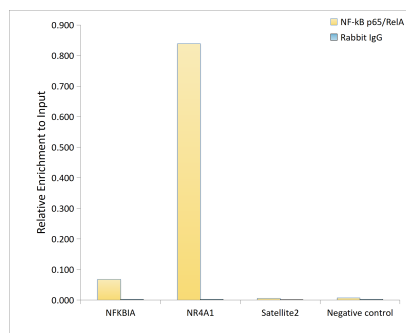


Western blot analysis of lysates from PC-12 cells using [KO Validated] NF- $\kappa$ B p65/RelA Rabbit mAb (A19653) at 1:10000 dilution incubated overnight at 4°C. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25  $\mu$ g per lane. Blocking 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- $\kappa$ B p65/RelA Rabbit mAb (A19653) at 1:10000 dilution incubated overnight at 4°C. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25  $\mu$ g 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°C 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.

