

# Phospho-NF-kB p65/RelA-S536 Rabbit mAb

Catalog No.: AP1294 **Recombinant** **10 Publications**

## Basic Information

### Observed MW

65kDa/

### Calculated MW

60kDa

### Category

Primary antibody

### Applications

WB,ELISA

### Cross-Reactivity

Human,Mouse,Rat

### CloneNo number

ARC55585

## 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** 1:10000 - 1:20000

**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

A synthetic phosphorylated peptide around S536 of human Phospho-NF-kB p65/RelA-S536 (NP\_068810.3).

### Synonyms

p65; CMCU; NFKB3; AIF3BL3; Phospho-NF-kB p65/RelA-S536

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

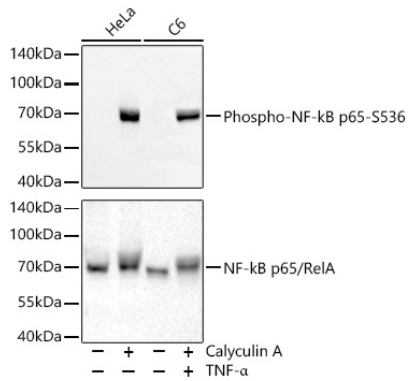
Affinity purification

### Storage

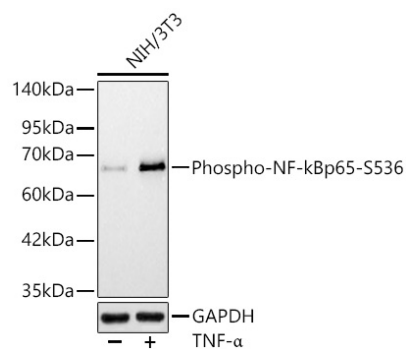
Store at -20°C. Avoid freeze / thaw cycles.

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

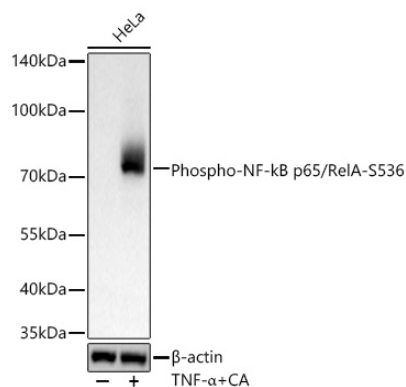
## Validation Data



Western blot analysis of various lysates, using Phospho-NF-kB p65/RelA-S536 Rabbit mAb (AP1294) at 1:1000 dilution (upper) or [KO Validated] NF-kB p65/RelA Rabbit mAb (A22331) at 1:50000 dilution (lower) incubated overnight at 4°C. HeLa cells were treated by Calyculin A (100 nM) at 37°C for 30 minutes after serum-starvation overnight. C6 cells were treated by TNF-α (20 ng/ml) and Calyculin A (50 nM) at 37°C for 30 minutes after serum-starvation overnight. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 30 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 10s.



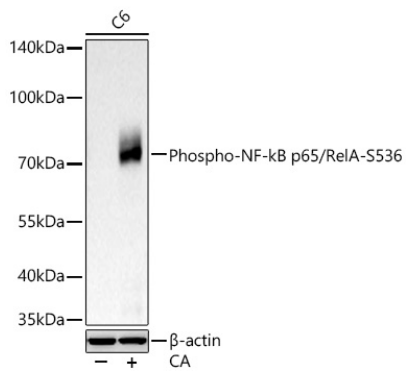
Western blot analysis of lysates from NIH/3T3 cells using Phospho-NF-kB p65/RelA-S536 Rabbit mAb (AP1294) at 1:1000 dilution incubated overnight at 4°C. NIH/3T3 cells were treated by TNF-α (20 ng/ml) at 37°C for 30 minutes after serum-starvation overnight. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 30 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 180s.



Western blot analysis of lysates from HeLa cells using Phospho-NF-kB p65/RelA-S536 Rabbit mAb (AP1294) at 1:19000 dilution incubated at room temperature for 1.5 hours. HeLa cells were treated by TNF-α (20 ng/ml) and Calyculin A (100 nM) at 37°C for 30 minutes after serum-starvation overnight. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 30 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 30s.

## Validation Data

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Western blot analysis of lysates from C6 cells using Phospho-NF-kB p65/RelA-S536 Rabbit mAb (AP1294) at 1:19000 dilution incubated at room temperature for 1.5 hours. C6 cells were treated by Calyculin A (100 nM) at 37°C for 30 minutes after serum-starvation overnight.  
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
Lysates/proteins: 30  $\mu$ g per lane.  
Blocking buffer: 3 % nonfat dry milk in TBST.  
Detection: ECL Basic Kit (RM00020).  
Exposure time: 30s.