

# Phospho-NF- $\kappa$ B p65/RelA-S468 Rabbit mAb

Catalog No.: AP1460   **Recombinant**   **6 Publications**

## Basic Information

### Observed MW

65kDa/

### Calculated MW

60kDa

### Category

Primary antibody

### Applications

WB, IP, ELISA

### Cross-Reactivity

Human, Mouse, Rat

### Clone/No. number

ARC64675

## 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	1:2000 - 1:20000
IP	0.5 $\mu$ g-4 $\mu$ g antibody for 200 $\mu$ g-400 $\mu$ g extracts of whole cells
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; Phospho-NF- $\kappa$ B p65/RelA-S468

## Contact

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	<a href="http://www.abclonal.com.cn">www.abclonal.com.cn</a>

## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

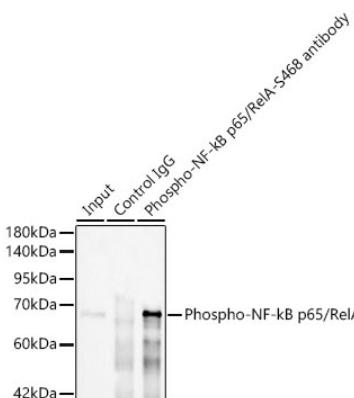
Affinity purification

### Storage

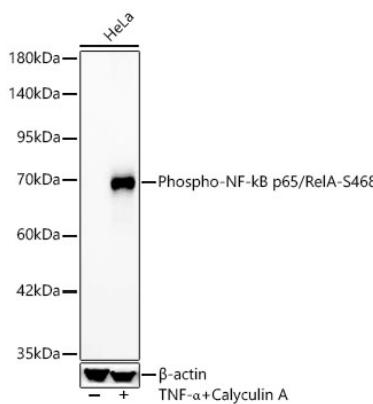
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

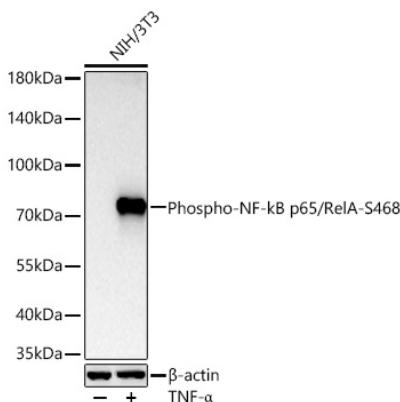
## Validation Data



Immunoprecipitation of Phospho-NF-kB p65/RelA-S468 in 200  $\mu$ g extracts from HeLa cells treated with TNF- $\alpha$  and Calyculin A using 0.5  $\mu$ g Phospho-NF-kB p65/RelA-S468 Rabbit mAb (AP1460). Western blot analysis was performed using Phospho-NF-kB p65/RelA-S48 Rabbit mAb (AP1460) at 1:3000 dilution.

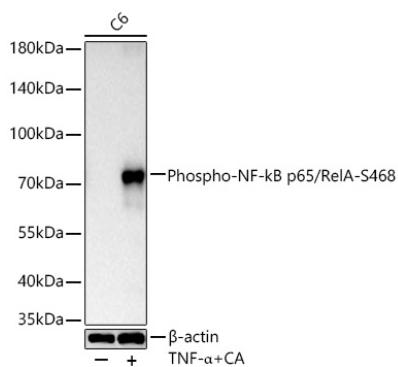


Western blot analysis of lysates from HeLa cells using Phospho-NF-kB p65/RelA-S468 Rabbit mAb (AP1460) at 1:2000 dilution. HeLa cells were treated with TNF- $\alpha$  (20 ng/ml) and Calyculin A (100 nM) at 37°C for 10 minutes.  
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 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 NIH/3T3 cells using Phospho-NF-kB p65/RelA-S468 Rabbit mAb (AP1460) at 1:16000 dilution incubated overnight at 4°C. NIH/3T3 cells were treated with TNF- $\alpha$  (50 ng/mL) at 37°C for 30 minutes  
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: 20s.

## Validation Data



Western blot analysis of lysates from C6 cells using Phospho-NF-kB p65/RelA-S468 Rabbit mAb (AP1460) at 1:16000 dilution incubated overnight at 4°C. C6 cells were treated with TNF- $\alpha$  (20 ng/ml) and Calyculin A (50 nM) at 37°C for 30 minutes. 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: 20s.