

AP0124

Leader in Biomolecular Solutions for Life Science



# Phospho-NF- $\kappa$ B p65/RelA-S536 Rabbit pAb

Catalog No.: AP0124

42 Publications

## Basic Information

### Observed MW

65kDa/

### Calculated MW

60kDa

### Category

Polyclonal Antibody

### Applications

WB,IF/ICC,ELISA

### Cross-Reactivity

Human,Mouse,Rat

## 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 - 1:10000

**IF/ICC** 1:50 - 1:200

**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-S536

## Contact



[www.abclonal.com](http://www.abclonal.com)

## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

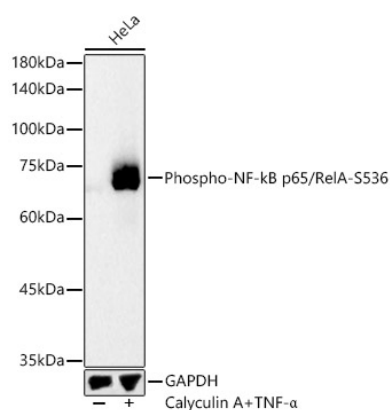
Affinity purification

### Storage

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

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

## Validation Data



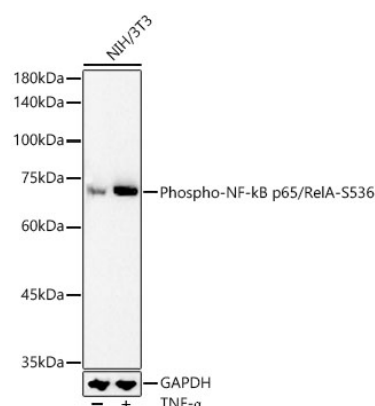
Western blot analysis of lysates from HeLa cells using Phospho-NF-kB p65/RelA-S536 Rabbit pAb (AP0124) at 1:10000 dilution. HeLa cells were treated with TNF- $\alpha$  (50 ng/ml) and Calyculin A (50 nM) at 37°C for 10 minutes.  
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 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-S536 Rabbit pAb (AP0124) at 1:10000 dilution. NIH/3T3 cells were treated with TNF- $\alpha$  (10 ng/ml) at 37°C for 30 minutes.

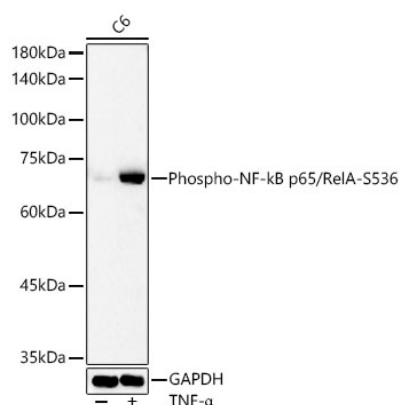
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25  $\mu$ g per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 90s.



Western blot analysis of lysates from C6 cells using Phospho-NF-kB p65/RelA-S536 Rabbit pAb (AP0124) at 1:10000 dilution. C6 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.

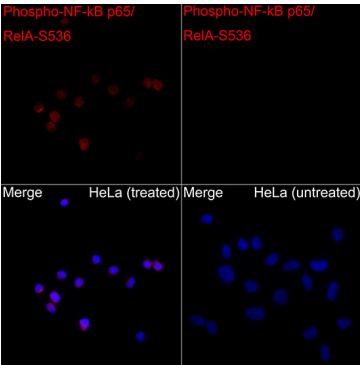
Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 90s.

## Validation Data

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Immunofluorescence analysis of HeLa TNF $\alpha$  + CA and HeLa cells using Phospho-NF-kB p65/RelA-S536 Rabbit pAb (AP0124) at dilution of 1:50 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.