

Phospho-NF-kB p65/RelA-S468 Rabbit mAb

Catalog No.: AP1460 **Recombinant** **3 Publications**

Basic Information

Observed MW

65kDa/

Calculated MW

60kDa

Category

Primary antibody

Applications

WB,IP,ELISA

Cross-Reactivity

Human, Mouse, Rat

CloneNo 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 0.5µg-4µg antibody for
200µg-400µg extracts of
whole cells

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

Synthetic peptide. This information is considered to be commercially sensitive.

Synonyms

p65; CMCU; NFKB3; AIF3BL3; Phospho-NF-kB p65/RelA-S468

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

Affinity purification

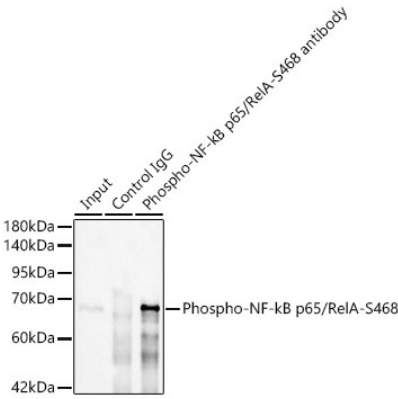
Storage

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

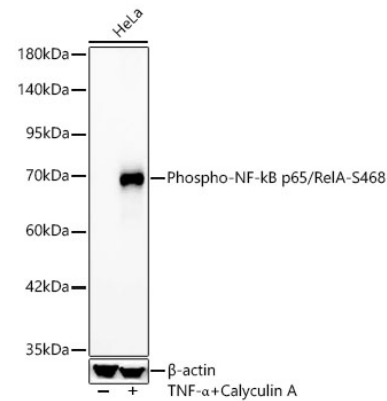
Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

Validation Data

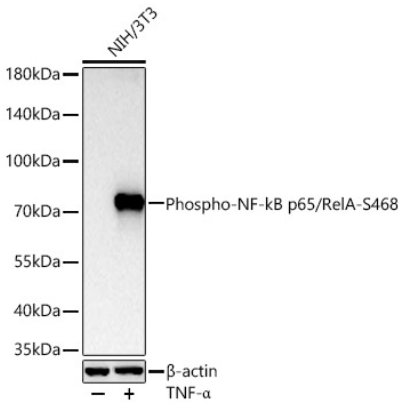
Immunoprecipitation of Phospho-NF- κ B p65/RelA-S468 in 200 μ g extracts from HeLa cells treated with TNF- α and Calyculin A using 0.5 μ g Phospho-NF- κ B p65/RelA-S468 Rabbit mAb (AP1460). Western blot analysis was performed using Phospho-NF- κ B p65/RelA-S48 Rabbit mAb (AP1460) at 1:3000 dilution.



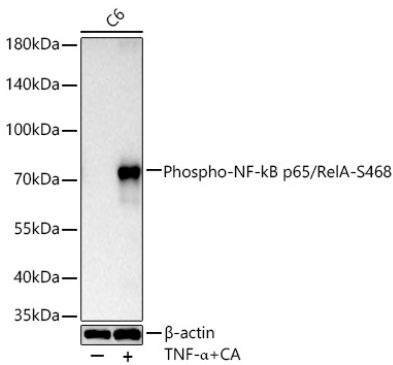
Western blot analysis of lysates from HeLa cells using Phospho-NF- κ B p65/RelA-S468 Rabbit mAb (AP1460) at 1:2000 dilution. HeLa cells were treated with TNF- α (20 ng/ml) and Calyculin A (100 nM) at 37°C for 10 minutes. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25 μ 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- κ B p65/RelA-S468 Rabbit mAb (AP1460) at 1:16000 dilution incubated overnight at 4°C. NIH/3T3 cells were treated with TNF- α (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 μ 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-α (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 µg per lane.
Blocking buffer: 3 % nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 20s.