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

Catalog No.: AP1460 Recombinant 7 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

400-999-6126

cn.market@abclonal.com.cn

www.abclonal.com.cn

Product Information

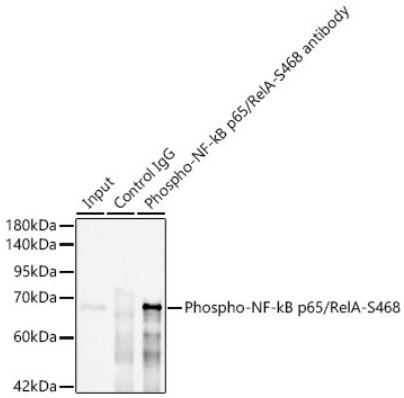
Source
Rabbit

Isotype
IgG

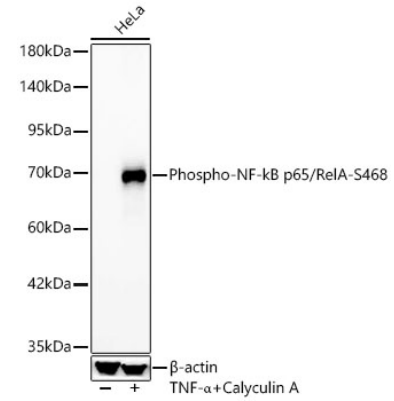
Purification
Affinity purification

Storage
Store at -20℃. 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.

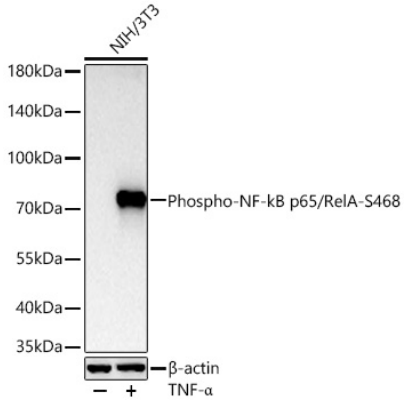
Validation Data



Immunoprecipitation of Phospho-NF-kB p65/RelA-S468 in 200 µg extracts from HeLa cells treated with TNF-α and Calyculin A using 0.5 µg 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.

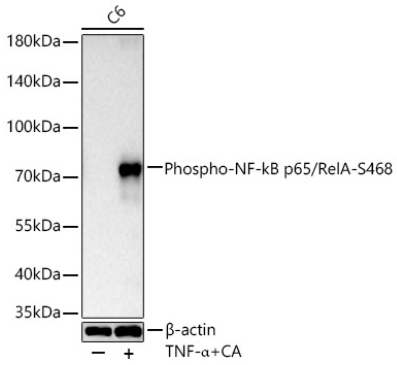


Western blot analysis of lysates from HeLa cells using Phospho-NF-kB p65/RelA-S468 Rabbit mAb (AP1460) at 1:2000 dilution. HeLa cells were treated with TNF-α (20 ng/ml) and Calyculin A (100 nM) at 37℃ for 10 minutes.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 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℃. NIH/3T3 cells were treated with TNF-α (50 ng/mL) at 37℃ 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.

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℃. C6 cells were treated with TNF-α (20 ng/ml) and Calyculin A (50 nM) at 37℃ 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.