

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

Catalog No.: AP1542 **Recombinant**

Basic Information

Observed MW

65kDa/65kd

Calculated MW

60kDa

Category

Primary antibody

Applications

WB,IP,ELISA

Cross-Reactivity

Human, Mouse, Rat

CloneNo number

ARC3338

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 1:1000 - 1:4000

IP 0.5µg-4µg antibody for
700µg-900µg 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-S536

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

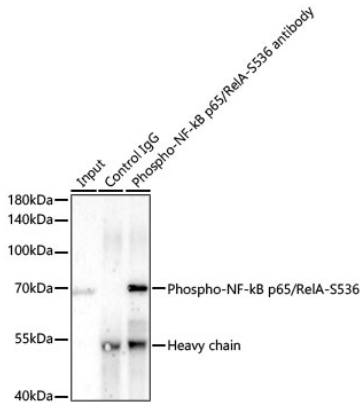
Affinity purification

Storage

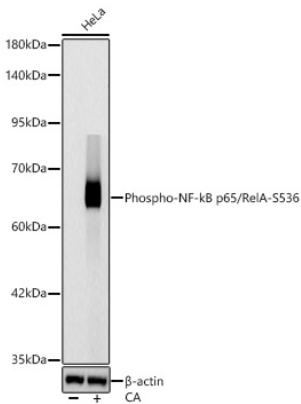
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% Sodium azide,0.05% BSA,50% glycerol,pH7.3.

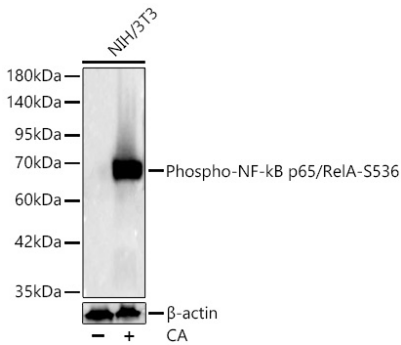
Validation Data



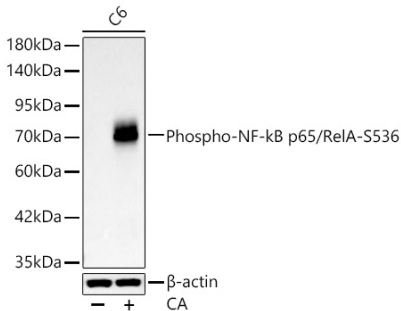
Immunoprecipitation of Phospho-NF-kB p65/RelA-S536 from 800 µg extracts of HeLa cells treated with TNF-α (20 ng/ml, 5 min) was performed using 1 µg of Phospho-NF-kB p65/RelA-S536 Rabbit mAb (AP1542). Rabbit Control IgG (AC005) was used to precipitate the Control IgG sample. IP samples were eluted with 1X Laemmli Buffer. The Input lane represents 10% of the total input. Western blot analysis of immunoprecipitates was conducted using Phospho-NF-kB p65/RelA-S536 Rabbit mAb (AP1542) at a dilution of 1 : 1000.



Western blot analysis of lysates from HeLa cells using Phospho-NF-kB p65/RelA-S536 Rabbit mAb (AP1542) at 1:1000 dilution incubated overnight at 4°C. HeLa cells were treated with 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: 20s.



Western blot analysis of lysates from NIH/3T3 cells using Phospho-NF-kB p65/RelA-S536 Rabbit mAb (AP1542) at 1:1000 dilution incubated overnight at 4°C. NIH/3T3 cells were treated with 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: 20s.



Western blot analysis of lysates from C6 cells using Phospho-NF-kB p65/RelA-S536 Rabbit mAb (AP1542) at 1:1000 dilution incubated overnight at 4°C. C6 cells were treated with 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.