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

Catalog No.: AP1542 Recombinant

Basic Information

Observed MW
65 kDa

Calculated MW
60 kDa

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

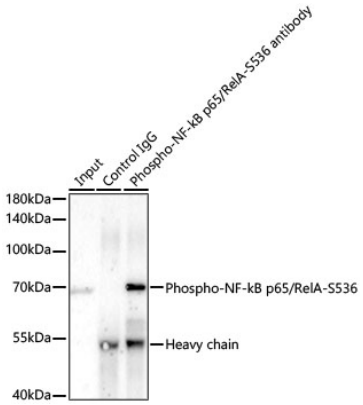
Source
Rabbit

Isotype
IgG

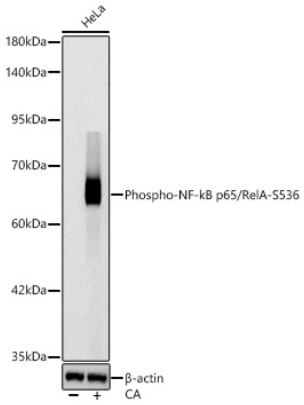
Purification
Affinity purification

Storage
Store at -20℃. Avoid freeze / thaw cycles.
Buffer: PBS with 0.09% Sodium azide,0.05% BSA,50% glycerol,pH7.3.

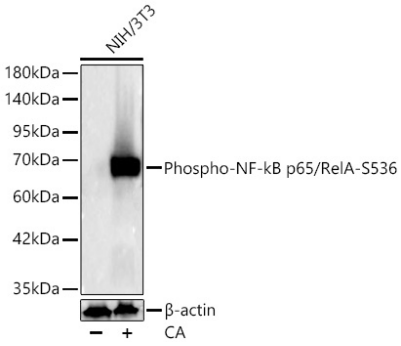
Validation Data



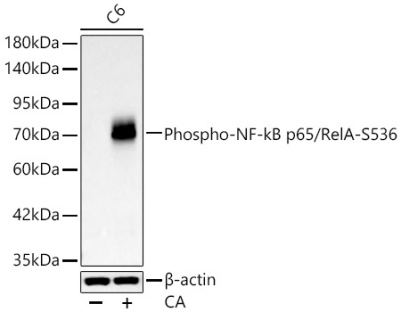
Immunoprecipitation of Phospho-NF-kB p65/RelA-S536 from 800 µg extracts of HeLa cells treated with TNF-α (20 ng/ml, 5 min) was performed using 1 µg of Phospho-NF-kB p65/RelA-S536 Rabbit mAb (AP1542). Rabbit Control IgG (AC005) was used to precipitate the Control IgG sample. IP samples were eluted with 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℃. HeLa cells were treated with Calyculin A (100 nM) at 37℃ 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℃. NIH/3T3 cells were treated with Calyculin A (100 nM) at 37℃ 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℃. C6 cells were treated with Calyculin A (100 nM) at 37℃ 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.