

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

Catalog NO.: AP1458 **Recombinant** **1 Publications**

Basic Information

Observed MW

68kDa

Calculated MW

65kDa

Category

Phosphorylated Antibodies

Applications

WB, IF/ICC, ELISA

Cross-Reactivity

Human, Mouse, Rat

Conjugation

Unconjugated

Clone number

ARC55581

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 1:500 - 1:1000

IF/ICC 1:200-1:400

ELISA

Recommended starting concentration is 1 µg/mL.
Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID	Swiss Prot
5970	Q04206

Immunogen

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

Synonyms

p65; CMCU; NFKB3; AIF3BL3; Phospho-NF-kB p65/RelA-S536

Contact

Product Information

☒		order@abclonal.com
☒		service@abclonal.com
☒		www.abclonal.com

Source

Rabbit

Isotype

IgG

Purification

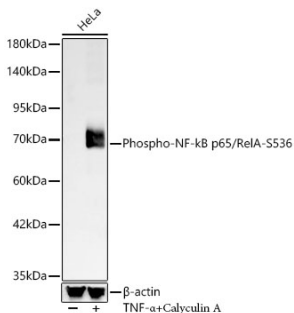
Affinity purification

Storage

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

Buffer: PBS with 0.09% Sodium azide,0.05% BSA,50% glycerol,pH7.3.

Validation Data



Western blot analysis of lysates from HeLa cells using Phospho-NF-kB p65/RelA-S536 Rabbit mAb (AP1458) at 1:1000 dilution. HeLa cells were treated with TNF- α (20 ng/ml) and 200 nM CA at 37°C for 30 minutes after serum starvation overnight.

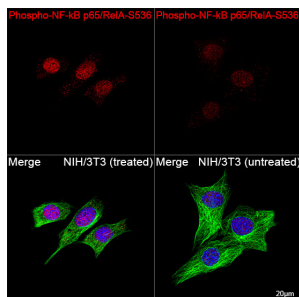
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25 μ g per lane.

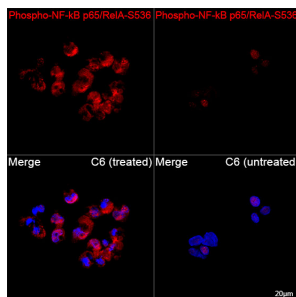
Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 30s.



Confocal imaging of NIH/3T3 cells (treated with TNF- α) and NIH/3T3 cells (untreated) using Phospho-NF-kB p65/RelA-S536 Rabbit mAb (AP1458, dilution 1:200) followed by a further incubation with Cy3-conjugated Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). The cells were counterstained with α -Tubulin Mouse mAb (AC012, dilution 1:400) followed by incubation with ABflo® 488-conjugated Goat Anti-Mouse IgG (H+L) (AS076, dilution 1:500) (Green). DAPI was used for nuclear staining (Blue). Objective: 100x.



Confocal imaging of C6 cells (treated with TNF- α and CA) and C6 cells (untreated) using Phospho-NF-kB p65/RelA-S536 Rabbit mAb (AP1458, dilution 1:200) followed by a further incubation with Cy3-conjugated Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 100x.

