

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

Catalog No.: AP0475

59 Publications

Basic Information

Observed MW

65kDa

Calculated MW

60kDa

Category

Primary antibody

Applications

ELISA, WB, IHC-P

Cross-Reactivity

Human, Mouse, Rat

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

IHC-P 1:50 - 1:200

Immunogen Information

Gene ID

5970

Swiss Prot

Q04206

Immunogen

A synthetic phosphorylated peptide around S536 of human NF-kB p65/RelA (NP_068810.3).

Synonyms

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

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

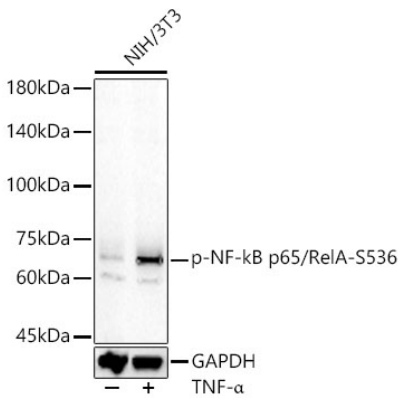
Affinity purification

Storage

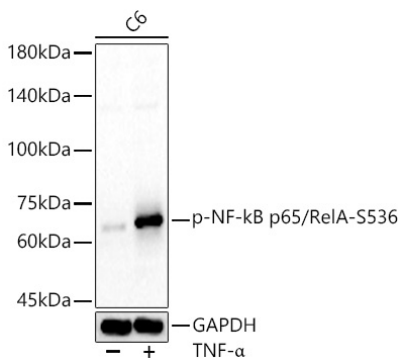
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.05% proclin300, 50% glycerol, pH7.3.

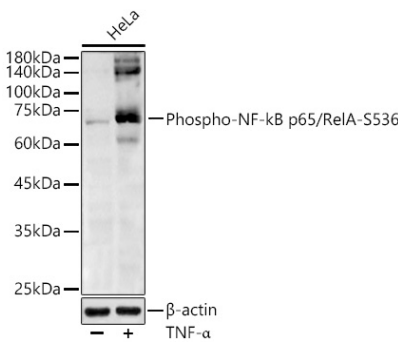
Validation Data



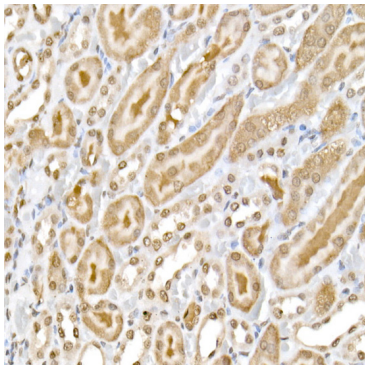
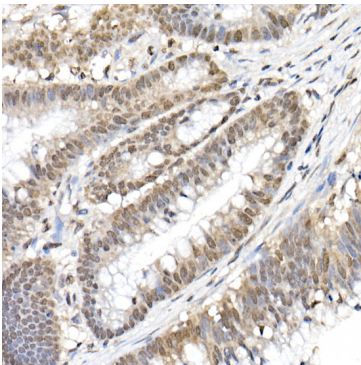
Western blot analysis of lysates from NIH/3T3 cells using Phospho-NF-kB p65/RelA-S536 Rabbit pAb (AP0475) at 1:600 dilution. NIH/3T3 cells were treated by TNF- α (20 ng/mL) at 37°C for 30 minutes. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25 μ g per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 60s.



Western blot analysis of lysates from C6 cells using Phospho-NF-kB p65/RelA-S536 Rabbit pAb (AP0475) at 1:600 dilution. C6 cells were treated by TNF- α (20 ng/mL) at 37°C for 30 minutes. Secondary antibody: HRP 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: 60s.



Western blot analysis of lysates from HeLa cells using Phospho-NF-kB p65/RelA-S536 Rabbit pAb (AP0475) at 1:1000 dilution. HeLa cells were treated by TNF- α (20 ng/mL) at 37°C for 30 minutes. Secondary antibody: HRP 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: 60s.



Validation Data

Immunohistochemistry analysis of paraffin-embedded Human colon carcinoma using Phospho-NF-kB p65/RelA-S536 Rabbit pAb (AP0475) at dilution of 1:50 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.

Immunohistochemistry analysis of paraffin-embedded Rat kidney using Phospho-NF-kB p65/RelA-S536 Rabbit pAb (AP0475) at dilution of 1:50 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.