

NF-κB p65/RelA Rabbit pAb**Catalog No.: A2547SP****185 Publications****Basic Information****Observed MW**

65 kDa

Calculated MW

59 kDa/60 kDa

Category

Polyclonal Antibodies

Applications

WB, IP, IF/ICC, IHC-P, ELISA

Cross Reactivity

Human, Mouse, Rat

Background

NF-κappa-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-κappa-B moves to the nucleus and activates transcription of specific genes. NF-κappa-B is composed of NFKB1 or NFKB2 bound to either REL, RELA, or RELB. The most abundant form of NF-κappa-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 - 1:10000**IP**

0.5 μg - 4 μg antibody for 200 μg - 500 μg extracts of whole cells

IF/ICC 1:500 - 1:2000**IHC-P** 1:2000 - 1:8000**ELISA**

Recommended starting concentration is 1 μg/mL. Please optimize the concentration based on your specific assay requirements. For high-ratio antibody dilutions (≥1:10000), a sequential dilution method is strongly recommended to ensure measurement accuracy.

Immunogen Information**Gene ID**

5970

Swiss-Prot

Q04206

Immunogen

This information is considered to be commercially sensitive.

Synonyms

p65; CMCU; NFKB3; AIF3BL3; NF-κB p65/RelA

Contact

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✉ | cn.market@abclonal.com.cn🌐 | www.abclonal.com.cn**Product Information****Source**

Rabbit

Isotype

IgG

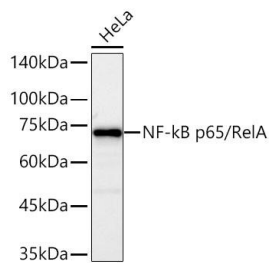
Purity

Affinity purification

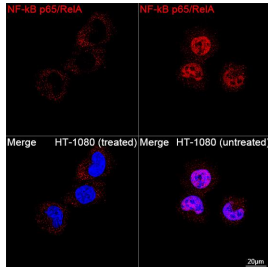
Storage

Store at -20°C

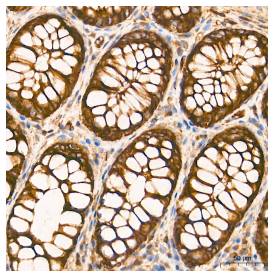
Validation Data



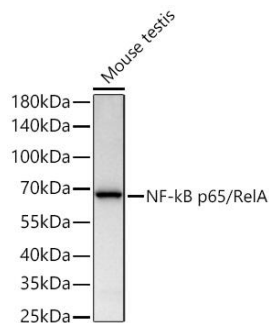
Western blot analysis of lysates from HeLa cells using NF- κ B p65/RelA Rabbit pAb (A2547SP) at 1:10000 dilution incubated overnight at 4°C. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates /proteins: 25 μ g per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 60 s.



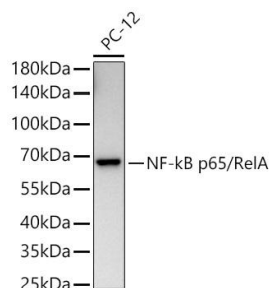
Confocal imaging of HT-1080 cells (treated with TNF- α) and HT-1080 cells (untreated) using NF- κ B p65/RelA Rabbit pAb (A2547SP, dilution 1:2000) followed by a further incubation with Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 100x.



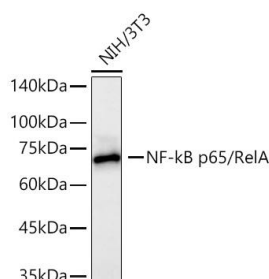
Immunohistochemistry analysis of paraffin-embedded Human colon tissue using NF- κ B p65/RelA Rabbit pAb (A2547SP) at a dilution of 1:3000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



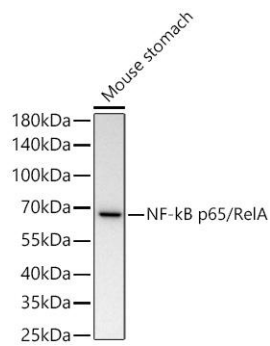
Western blot analysis of lysates from Mouse testis using NF- κ B p65/RelA Rabbit pAb (A2547SP) at 1:5000 dilution incubated overnight at 4°C. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25 μ g per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 20 s.



Western blot analysis of lysates from PC-12 cells using NF- κ B p65/RelA Rabbit pAb (A2547SP) at 1:5000 dilution incubated overnight at 4°C. 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: 20 s.



Western blot analysis of lysates from NIH/3T3 cells using NF- κ B p65/RelA Rabbit pAb (A2547SP) at 1:10000 dilution incubated overnight at 4°C. 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: 90 s.



Western blot analysis of lysates from Mouse stomach using NF-kB p65/RelA Rabbit pAb (A2547SP) at 1:5000 dilution incubated overnight at 4°C. 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: 20 s.