

[KO Validated] NF-κB p65/RelA Rabbit mAb

Catalog No.: A22331 **KO Validated** **Recombinant** **10 Publications**

Basic Information

Observed MW

65kDa/65KD

Calculated MW

58kDa/59kDa/60kDa

Category

Primary antibody

Applications

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

Cross-Reactivity

Human, Mouse, Rat, Monkey

CloneNo number

ARC51088

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	1:10000 - 1:60000
IHC-P	1:200 - 1:2000
IF/ICC	1:100 - 1:800
IP	0.5µg-4µg antibody for 200µg-500µg extracts of whole cells
ELISA	Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.
ChIP	5µg antibody for 10µg-15µg of Chromatin

Immunogen Information

Gene ID

5970

Swiss Prot

Q04206

Immunogen

A synthetic peptide corresponding to a sequence within amino acids 450-551 of human NF-κB p65/RelA (NP_068810.3).

Synonyms

p65; CMCU; NFKB3; AIF3BL3; IA

Product Information

Source

Rabbit

Isotype

IgG

Purification

Affinity purification

Storage

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

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

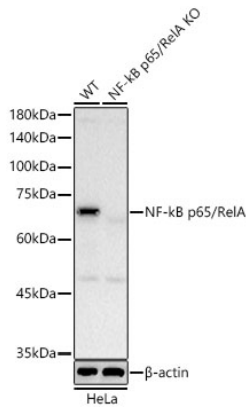
Contact

 | 400-999-6126

 | cn.market@abclonal.com.cn

 | www.abclonal.com.cn

Validation Data



Western blot analysis of lysates from wild type (WT) and NF- κ B p65/RelA knockout (KO) HeLa cells, using [KO Validated] NF- κ B p65/RelA Rabbit mAb (A22331) at 1:10000 dilution.

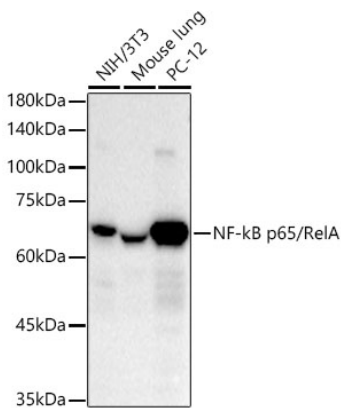
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25 μ g per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 10s.



Western blot analysis of various lysates using [KO Validated] NF- κ B p65/RelA Rabbit mAb (A22331) at 1:10000 dilution.

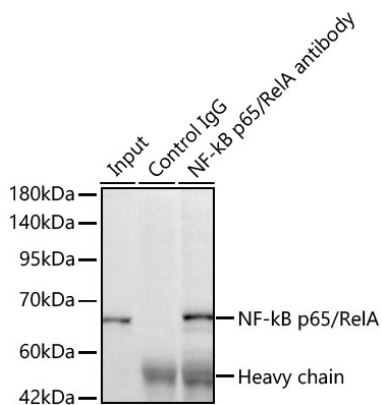
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25 μ g per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

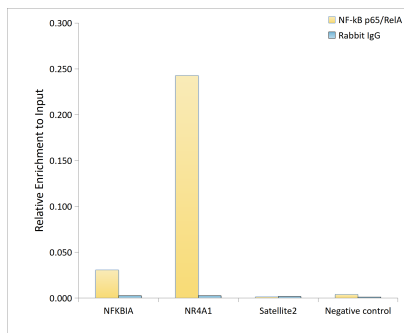
Detection: ECL Basic Kit (RM00020).

Exposure time: 30s.

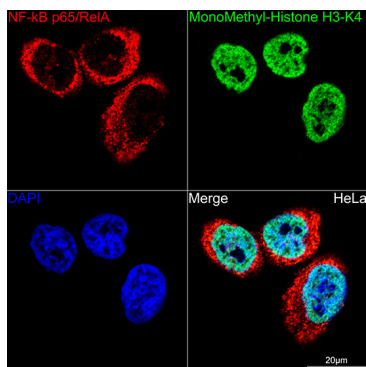


Immunoprecipitation of [KO Validated] NF- κ B p65/RelA Rabbit mAb from 500 μ g extracts of HeLa cells was performed using 2 μ g of [KO Validated] NF- κ B p65/RelA Rabbit mAb (A22331). Rabbit IgG isotype control (AC042) was used to precipitate the Control IgG sample. IP samples were eluted with 1X Laemmli Buffer. The Input lane represents 10% of the total input. Western blot analysis of immunoprecipitates was conducted using [KO Validated] NF- κ B p65/RelA Rabbit mAb (A22331) at a dilution of 1:10000.

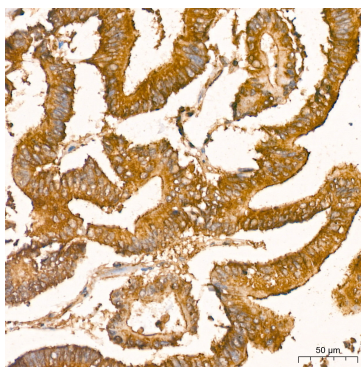
Validation Data



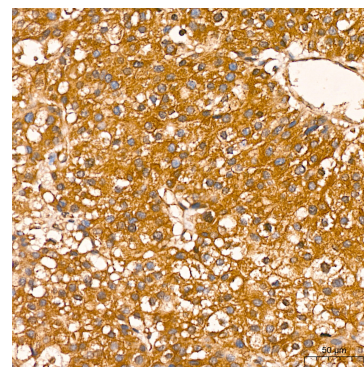
Chromatin immunoprecipitation analysis of extracts of HT-1080 cells, HT-1080 cells were treated by TNF- α (20 ng/ml) at 37°C for 30 minutes, using NF-kB p65/RelA antibody (A22331) and rabbit IgG. The amount of immunoprecipitated DNA was checked by quantitative PCR. Histogram was constructed by the ratios of the immunoprecipitated DNA to the input.



Confocal imaging of HeLa cells using [KO Validated] NF-kB p65/RelA Rabbit mAb (A22331, dilution 1:100) (Red). The cells were counterstained with MonoMethyl-Histone H3-K4 Rabbit mAb (A22078, dilution 1:300) (Green). DAPI was used for nuclear staining (blue). Objective: 60x.



Immunohistochemistry analysis of paraffin-embedded Human colon carcinoma using [KO Validated] NF-kB p65/RelA Rabbit mAb (A22331) at dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Human liver using [KO Validated] NF-kB p65/RelA Rabbit mAb (A22331) at dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.