

[KO Validated] NF- κ B p65/RelA Rabbit mAb

Catalog No.: A22331 **KO** **Validated** **Recombinant** **7 Publications**

Basic Information

Observed MW

65kDa

Calculated MW

58kDa/59kDa/60kDa

Category

Primary antibody

Applications

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

Cross-Reactivity

Human, Mouse, Rat, Monkey

CloneNo number

ARC51088

Background

NF- κ 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- κ B moves to the nucleus and activates transcription of specific genes. NF- κ B is composed of NFKB1 or NFKB2 bound to either REL, RELA, or RELB. The most abundant form of NF- κ 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
IHC-P	1:50 - 1:200
IF/ICC	1:50 - 1:200
ChIP	5 μ g antibody for 10 μ g-15 μ g of Chromatin
IP	0.5 μ g-4 μ g antibody for 200 μ g-500 μ g extracts of whole cells

Contact

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Immunogen Information

Gene ID

5970

Swiss Prot

Q04206

Immunogen

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

Synonyms

p65; CMCU; NFKB3; AIF3BL3; IA

Product Information

Source

Rabbit

Isotype

IgG

Purification

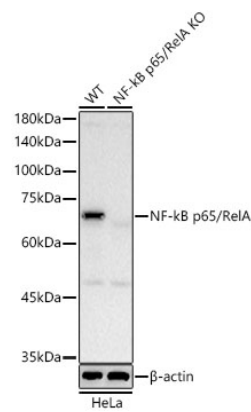
Affinity purification

Storage

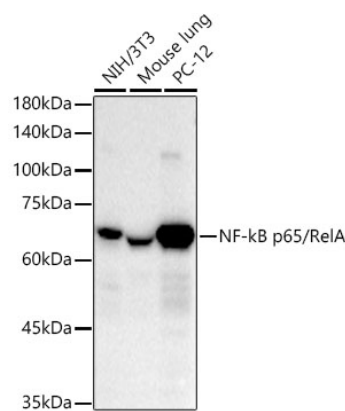
Store at -20°C. Avoid freeze / thaw cycles.

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

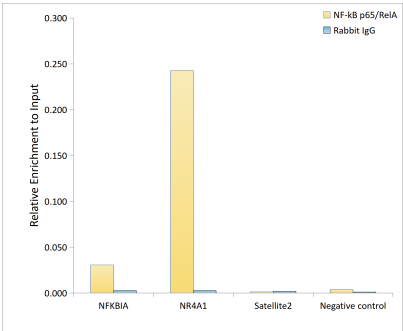
Validation Data



Western blot analysis of lysates from wild type (WT) and NF-kB p65/RelA knockout (KO) HeLa cells, using [KO Validated] NF-kB p65/RelA Rabbit mAb (A22331) at 1:10000 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 10s.

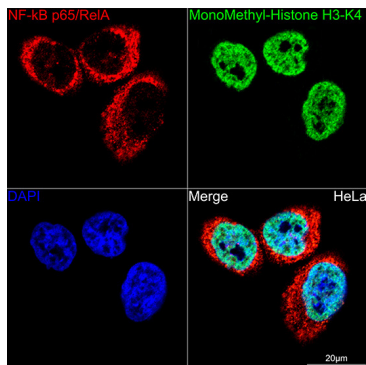


Western blot analysis of various lysates using [KO Validated] NF-kB p65/RelA Rabbit mAb (A22331) at 1:10000 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 30s.

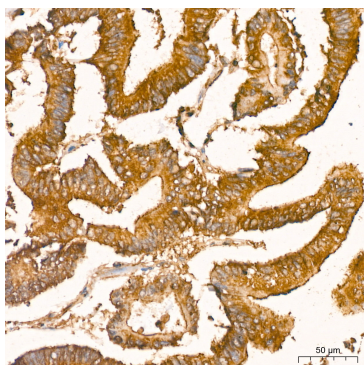


Chromatin immunoprecipitation analysis of extracts of HT-1080 cells, HT-1080 cells were treated by TNF-α (20 ng/ml) at 37°C for 30 minutes, using NF-kB p65/RelA antibody (A22331) and rabbit IgG. The amount of immunoprecipitated DNA was checked by quantitative PCR. Histogram was constructed by the ratios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

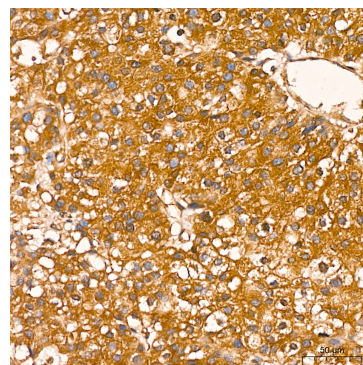
Validation Data



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 NF-kB p65/RelA in paraffin-embedded human colon carcinoma using [KO Validated] NF-kB p65/RelA Rabbit mAb (A22331) at dilution of 1:200 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



Immunohistochemistry analysis of NF-kB p65/RelA in paraffin-embedded human liver using [KO Validated] NF-kB p65/RelA Rabbit mAb (A22331) at dilution of 1:200 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.