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NF-kB p65/RelA Rabbit mAb

Catalog No.: A29297 Recombinant

Basic Information

Observed MW
65 kDa

Calculated MW
59 kDa/60 kDa

Category
Primary antibody

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

Cross-Reactivity
Human, Mouse, Rat

CloneNo number
ARC3841

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	1:1000 - 1:15000
IP	0.5 µg - 4 µg antibody for 200 µg - 400µg extracts of whole cells
IF/ICC	1:200 - 1:800
IHC-P	1:400 - 1:1600
ChIP	2 µg antibody for 10 µg - 15 µg of Chromatin
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;RELA;

Product Information

Source
Rabbit

Isotype
IgG

Purification
Affinity purification

Storage
Store at -20℃. Avoid freeze / thaw cycles.
Buffer: PBS with 0.09% Sodium azide,0.05% BSA,50% glycerol,pH7.3.

Contact

400-999-6126

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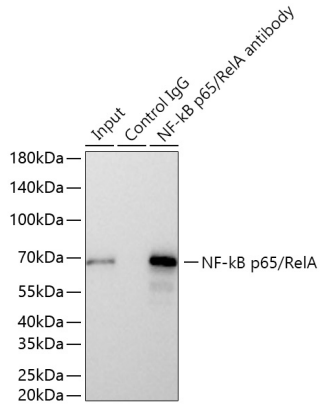
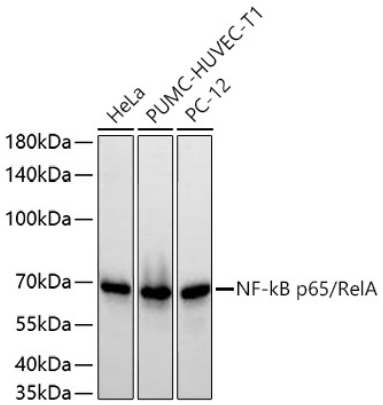
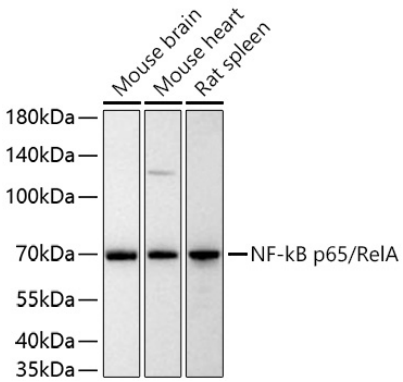
Validation Data



Immunoprecipitation of NF-kB p65/RelA from 300 µg extracts of PC-12 cells was performed using 1 µg of NF-kB p65/RelA Rabbit mAb (A29297). Rabbit Control IgG (AC005) 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 NF-kB p65/RelA Rabbit mAb (A29297) at a dilution of 1:1000.

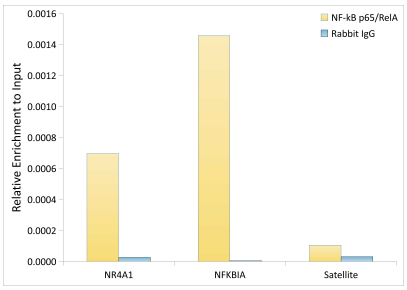


Western blot analysis of various lysates using NF-kB p65/RelA Rabbit mAb (A29297) at 1:1000 dilution incubated overnight at 4℃.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 5 s.

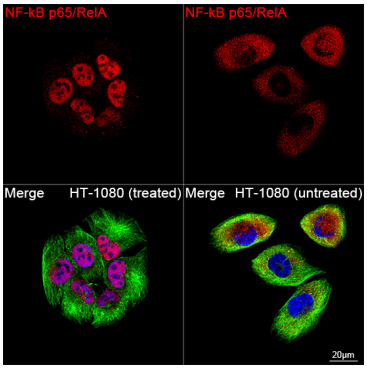


Western blot analysis of various lysates using NF-kB p65/RelA Rabbit mAb (A29297) at 1:5000 dilution incubated overnight at 4℃.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 5 s.

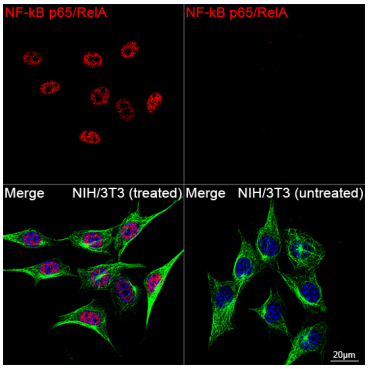
Validation Data



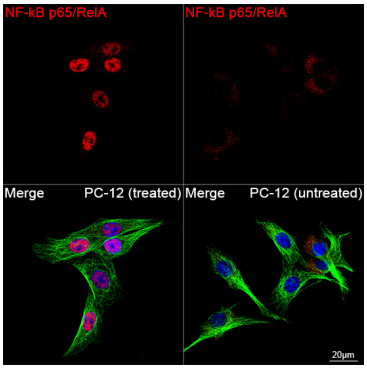
Chromatin immunoprecipitation was performed with 15 µg of cross-linked chromatin from HeLa cells, using 2 µg of NF-kB p65/RelA Rabbit mAb (A29297) and Rabbit IgG isotype control (AC042). The enrichment of immunoprecipitated DNA at different genomic loci was examined by quantitative PCR. The histogram compares the ratio of the immunoprecipitated DNA to the input at given loci.



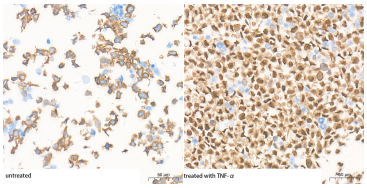
Confocal imaging of HT-1080 cells (treated with TNF-α) and HT-1080 cells (untreated) using NF-kB p65/RelA Rabbit mAb (A29297, dilution 1:300) followed by a further incubation with Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). The cells were counterstained with α-Tubulin Mouse mAb (AC012, dilution 1:400) followed by incubation with ABflo® 488-conjugated Goat Anti-Mouse IgG (H+L) Ab (AS076, dilution 1:500) (Green). DAPI was used for nuclear staining (Blue). Objective: 100x.



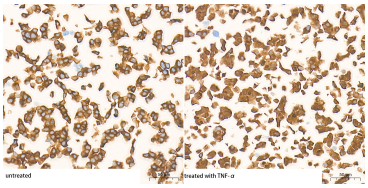
Confocal imaging of NIH/3T3 cells (treated with TNF-α) and NIH/3T3 cells (untreated) using NF-kB p65/RelA Rabbit mAb (A29297, dilution 1:300) followed by a further incubation with Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). The cells were counterstained with α-Tubulin Mouse mAb (AC012, dilution 1:400) followed by incubation with ABflo® 488-conjugated Goat Anti-Mouse IgG (H+L) Ab (AS076, dilution 1:500) (Green). DAPI was used for nuclear staining (Blue). Objective: 100x.



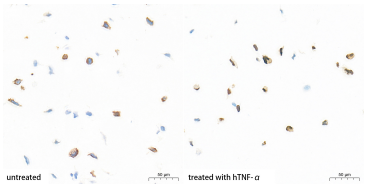
Confocal imaging of PC-12 cells (treated with TNF-α) and PC-12 cells (untreated) using NF-kB p65/RelA Rabbit mAb (A29297, dilution 1:300) followed by a further incubation with Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). The cells were counterstained with α-Tubulin Mouse mAb (AC012, dilution 1:400) followed by incubation with ABflo® 488-conjugated Goat Anti-Mouse IgG (H+L) Ab (AS076, dilution 1:500) (Green). DAPI was used for nuclear staining (Blue). Objective: 100x.



Immunohistochemistry analysis of paraffin-embedded NIH/3T3 cells, TNF-α-treated (right) and untreated (left), using NF-kB p65/RelA Rabbit mAb (A29297) at a dilution of 1:1000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.

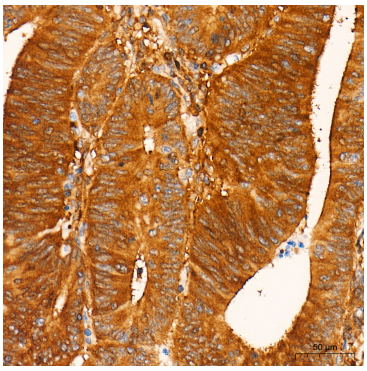


Immunohistochemistry analysis of paraffin-embedded PC-12 cells, TNF-α-treated (right) and untreated (left), using NF-kB p65/RelA Rabbit mAb (A29297) at a dilution of 1:1000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.

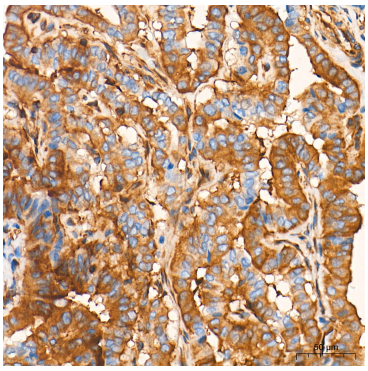


Immunohistochemistry analysis of paraffin-embedded HT-1080 cells, hTNF-α-treated (right) and untreated (left), using NF-kB p65/RelA Rabbit mAb (A29297) at a dilution of 1:1000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.

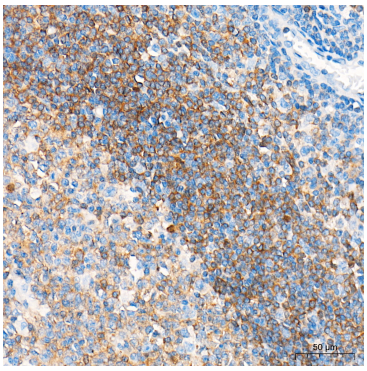
Validation Data



Immunohistochemistry analysis of paraffin-embedded Human colon carcinoma tissue using NF-kB p65/RelA Rabbit mAb (A29297) at a dilution of 1:1000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Human thyroid cancer tissue using NF-kB p65/RelA Rabbit mAb (A29297) at a dilution of 1:1000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Human tonsil tissue using NF-kB p65/RelA Rabbit mAb (A29297) at a dilution of 1:1000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.