Product datasheet

Anti-NF-κB p65/RELA Antibody

Catalog Number: *BA0610*

BOSTER
antibody and ELISA experts
BOSTER BIOLOGICAL TECHNOLOGY
Building C21, 3rd to 5th Floors, Optics Valley Biopharmaceutical Accelerator,
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Basic Information

Product Name	Anti-NF-κB p65/RELA Antibody
Gene Name	RELA
Source	Rabbit
Clonality	Polyclonal
Isotype	IgG
Species Reactivity	human, mouse, rat
Tested Application	WB, IHC, ICC/IF
Contents	500 ug/ml antibody with PBS, 0.02% NaN3, 1 mg/ml BSA and 50% glycerol.
Immunogen	A synthetic peptide corresponding to a sequence in the middle region of human NF-kB p65, identical to the related rat and mouse sequences.
Concentration	500 ug/ml
Purification	Immunogen affinity purified.
Observed MW	65-70 kDa
Dilution Ratios	Western blot (WB): 1:500-2000 Immunohistochemistry (IHC): 1:50-400 Immunocytochemistry/Immunofluorescence (ICC/IF): 1:50-400 (Boiling the paraffin sections in 10mM citrate buffer,pH6.0,or PH8.0 EDTA repair liquid for 20 mins is required for the staining of formalin/paraffin sections.) Optimal working dilutions must be determined by end user.

Storage

12 months from date of receipt，-20℃ as supplied.

Background Information

RELA(V-REL AVIAN RETICULOENDOTHELIOSIS VIRAL ONCOGENE HOMOLOG A), also called NFKB3 or NFKB, p65 SUBUNIT. NFKB1 or NFKB2 is bound to REL, RELA, or RELB to form the NFKB complex. The NFKB complex is inhibited by I-kappa-B proteins, which inactivate NFKB by trapping it in the cytoplasm. The p65(RELA) heterodimer is the most abundant form of NFKB. And the RELA gene is located on 11q13.1. RELA is a nonhistone substrate of HDAC3 and that IKBA-dependent nuclear export of the HDAC3-deacetylated RELA replenishes the depleted cytoplasmic pool of latent NFKB-IKBA complexes for subsequent NFKB responses. RELA nucleocytoplasmic redistribution coincided with export of PPARG, and immunoprecipitation analysis indicated that PPARG-RELA association was dependent on the PPARG C-terminal ligand-binding domain. IKK-dependent phosphorylation of RELA on ser468 enhanced binding of GCN5 to RELA and RELA ubiquitination.

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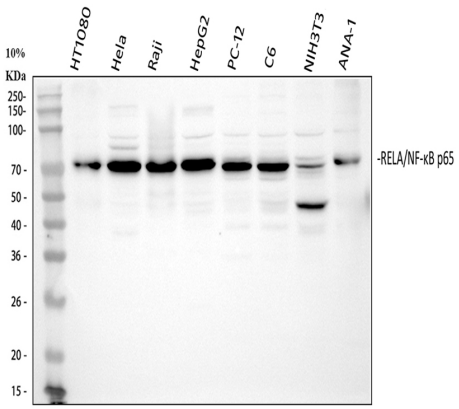
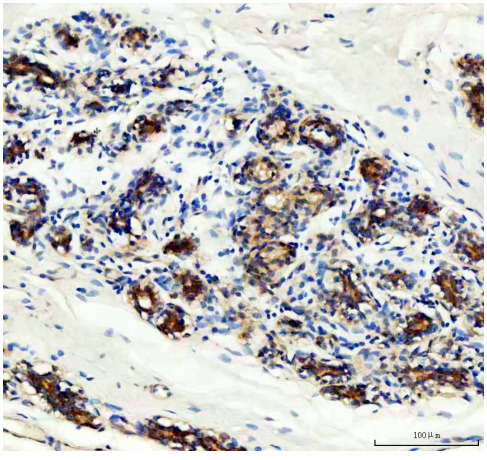
Reference

Anti-NF-κB p65/RELA Antibody被引用在111文献中。

Selected Validation Data



Western blot analysis of NF-κB p65/RELA using anti-NF-κB p65/RELA antibody (BA0610). The sample well of each lane was loaded with 30 ug of sample under reducing conditions.
Lane 1: human HT1080 whole cell lysates,
Lane 2: human Hela whole cell lysates,
Lane 3: human Raji whole cell lysates,
Lane 4: human HepG2 whole cell lysates,
Lane 5: rat PC-12 whole cell lysates,
Lane 6: rat C6 whole cell lysates,
Lane 7: mouse NIH/3T3 whole cell lysates,
Lane 8: mouse ANA-1 whole cell lysates.
After electrophoresis, proteins were transferred to a membrane. Then the membrane was incubated with rabbit anti-NF-κB p65/RELA antigen affinity purified polyclonal antibody (BA0610) at a dilution of 1:1000 and probed with a goat anti-rabbit IgG-HRP secondary antibody (Catalog # BA1054). The signal is developed using ECL Plus Western Blotting Substrate (Catalog # AR1197). A specific band was detected for NF-κB p65/RELA at approximately 65-70 kDa. The expected band size for NF-κB p65/RELA is at 60 kDa.



IHC analysis of NF-κB p65/RELA using anti-NF-κB p65/RELA antibody (BA0610) .
NF-κB p65/RELA was detected in a paraffin-embedded section of human breast cancer tissue. The tissue section was incubated with rabbit anti-NF-κB p65/RELA Antibody (BA0610) at a dilution of 1:200 and developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (Catalog # SV0002) with DAB (Catalog # AR1027) as the chromogen.

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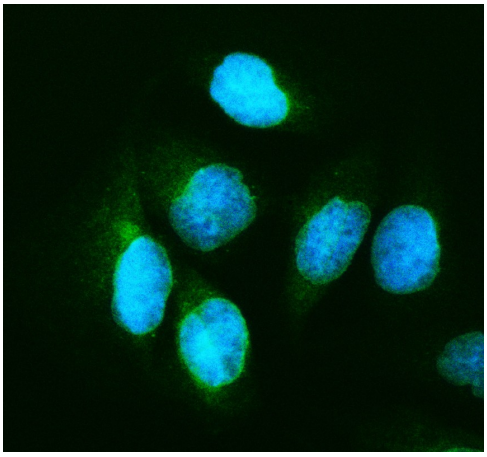

IF analysis of NF-κB p65/RELA using anti-NF-κB p65/RELA antibody (BA0610).
NF-κB p65/RELA was detected in an immunocytochemical section of U2OS cells. The section was incubated with rabbit anti-NF-κB p65/RELA Antibody (BA0610) at a dilution of 1:100. DyLight®488 Conjugated Goat Anti-Rabbit IgG (Green) (Catalog # BA1127) was used as secondary antibody. The section was counterstained with DAPI (Catalog # AR1176) (Blue).