Product datasheet

Anti-NF-κB p65/RELA Antibody (Clone#HH-18)

Catalog Number: *BM3940*

BOSTER
antibody and ELISA experts
BOSTER BIOLOGICAL TECHNOLOGY
Building C21, 3rd to 5th Floors, Optics Valley Biopharmaceutical Accelerator, East Lake High-Tech Development Zone, Wuhan.
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Basic Information

Product Name	Anti-NF-κB p65/RELA Antibody (Clone#HH-18)
Gene Name	RELA
Source	Rabbit
Clonality	Monoclonal
Isotype	IgG
Species Reactivity	human, mouse
Tested Application	WB, IHC, ICC/IF, IP, FCM
Contents	500 ug/ml; Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide, 0.4-0.5 mg/ml BSA and 50% glycerol.
Immunogen	A synthesized peptide derived from human NF-B p65
Concentration	500 ug/ml
Purification	Affinity-chromatography
Observed MW	70 kDa
Dilution Ratios	Western blot (WB): 1:500-2000 Immunohistochemistry (IHC): 1:50-200 Immunocytochemistry/Immunofluorescence (ICC/IF):1:50-200 ImmunoPrecipitation (IP): 1:50 Flow Cytometry (FCM): 1:50

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.

Reference

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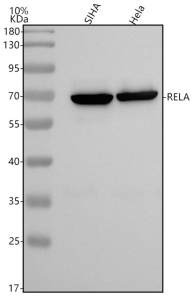
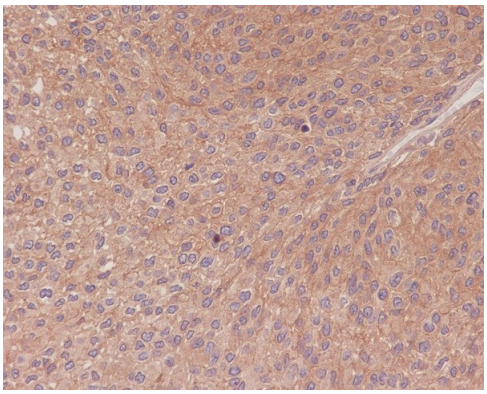
Anti-NF-κB p65/RELA Antibody (Clone#HH-18)被引用在29文献中。

Selected Validation Data



Western blot analysis of anti-NF-κB p65/RELA antibody (BM3940). The sample well of each lane was loaded with 30 ug of sample under reducing conditions.
Lane 1: human SIHA whole cell lysates,
Lane 2: human Hela 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 monoclonal antibody (BM3940) 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 70 kDa. The expected band size for NF-κB p65/RELA is at 65 kDa.



Immunohistochemical analysis of paraffin-embedded human transitional cell carcinoma of bladder, using NF-κB p65 Antibody.

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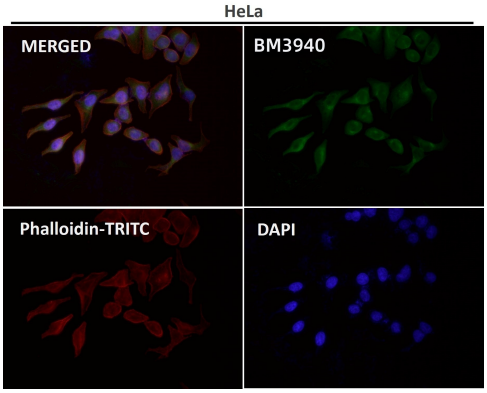

Immunofluorescent analysis using the Antibody.