Product datasheet

Anti-NF-κB p65/RELA Antibody

Catalog Number: *A00284-1*

BOSTER
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Basic Information

Product Name	Anti-NF-κB p65/RELA Antibody
Gene Name	RELA
Source	Rabbit
Isotype	IgG
Species Reactivity	human, mouse, rat
Tested Application	WB, IHC, ICC/IF, FCM, ELISA
Contents	500 ug/ml antibody with PBS， 0.02% NaN3 , 1 mg BSA and 50% glycerol.
Immunogen	E. coli-derived human NF-kB p65 recombinant protein (Position: F99-S551).
concentration	500 ug/ml
Purification	Immunogen affinity purified.
Observed MW	65KD
Dilution Ratios	Western blot(WB): 1:500-2000 Immunohistochemistry in paraffin section (IHC): 1:50-400 (ELISA)： 1:100-1000 Immunocytochemistry/Immunofluorescence (ICC/IF) 1:50-400 Flow cytometry (FCM) 1-3 μg/1x10^6 cells (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. 6 months 2 to 8℃ after reconstitution. Avoid repeated freezing and thawing.

Background Information

Transcription factor p65, also known as NFKB3 or NF-kB p65, is a protein that in humans is encoded by the RELA gene. It is mapped to 11q13.1. NFKB is an essential transcription factor complex involved in all types of cellular processes, including cellular metabolism, chemotaxis, etc, and it may play a role in inflammatory conditions of the peripheral nervous system. Phosphorylation and acetylation of NFKB3 are crucial post-translational modifications required for NFKB activation. It has also been shown to modulate immune responses, and activation of NFKB3 is positively associated with multiple types of cancer. In addition to that, NFKB3 antagonizes TNFR1-JNK proliferative signals in epidermis and plays a nonredundant role in restraining epidermal growth.

Reference

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Anti-NF-κB p65/RELA Antibody被引用在4文献中。

Selected Validation Data

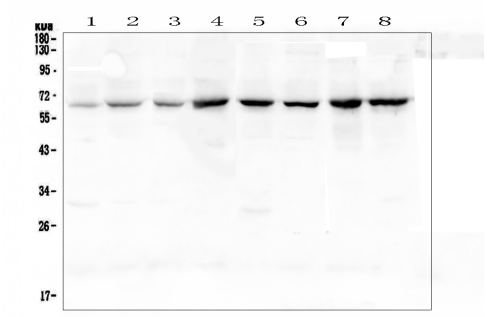

Figure 1. Western blot analysis of NF-kB p65 using anti-NF-kB p65 antibody (A00284-1). The sample well of each lane was loaded with 50ug of sample under reducing conditions. Lane 1: rat spleen tissue lysates, Lane 2: rat lung tissue lysates, Lane 3: rat kidney tissue lysates, Lane 4: rat testis tissue lysates, Lane 5: mouse spleen tissue lysates, Lane 6: mouse lung tissue lysates, Lane 7: mouse testis tissue lysates, Lane 8: mouse NIH3T3 whole cell lysates. -NF-kB p65 antigen affinity purified polyclonal antibody (Catalog # A00284-1) at 0.5 µg/mL overnight at 4°C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody . The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit (Catalog # EK1002) A specific band was detected for NF-kB p65 at approximately 65KD. The expected band size for NF-kB p65 is at 65KD.

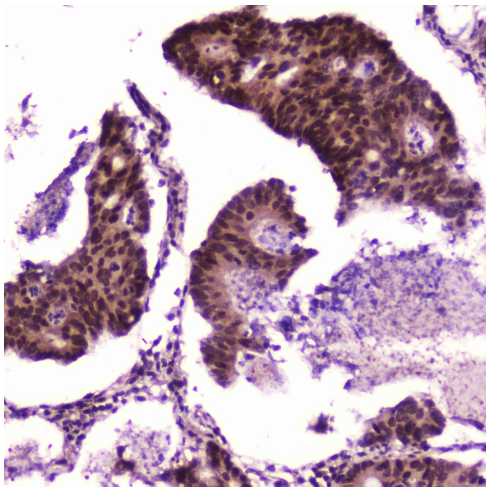

Figure 3. IHC analysis of NF-kB p65 using anti-NF-kB p65 antibody (A00284-1).NF-kB p65 was detected in paraffin-embedded section of human colon cancer tissue. anti-NF-kB p65 Antibody (A00284-1) overnight at 4°C. Biotinylated goat anti-rabbit IgG was used as secondary antibody The tissue section was developed using Strepavidin-Biotin-Complex (SABC)(Catalog # SA1022) with DAB as the chromogen.

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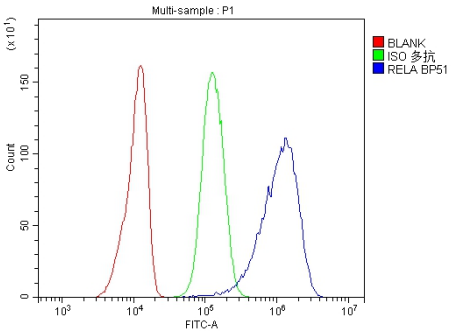

Figure 8. Flow cytometry analysis of A431 cell(1x106) DyLight 488 conjugated goat anti-rabbit IgG(blue) was used as secondary antibody.Isotype control antibody (Green line) was rabbit IgG DyLight 488. Unlabelled sample (Red line).