bs-0465R **[Primary Antibody]**

NFKB p65 Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 5970 **SWISS:** Q04206

Target: NFKB p65

Immunogen: KLH conjugated synthetic peptide derived from human NFKBp65: 51-100/551.

Purification: affinity purified by Protein A

Concentration: 1mg/ml

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

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. [provided by RefSeq, Sep 2011].

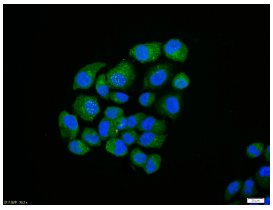
Applications: **Flow-Cyt** (1µg/Test)
ICC/IF (1:50-200)

Reactivity: Human, Mouse (predicted: Rat, Rabbit, Pig, Sheep, Cow, Zebrafish, Chicken, Dog, Horse)

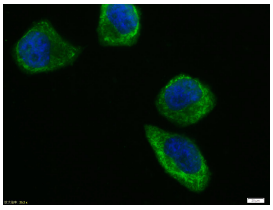
Predicted MW.: 61 kDa

Subcellular Location: Cytoplasm ,Nucleus

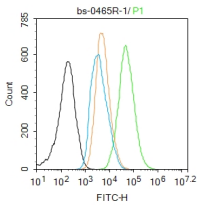
VALIDATION IMAGES



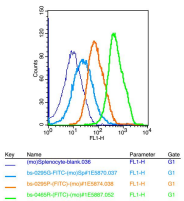
Tissue/cell:MCF7 cell; 4% Paraformaldehyde-fixed; Triton X-100 at room temperature for 20 min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min; Antibody incubation with (NFKB p65) polyclonal Antibody, Unconjugated (bs-0465R) 1:100, 90 minutes at 37°C; followed by a FITC conjugated Goat Anti-Rabbit IgG antibody at 37°C for 90 minutes, DAPI (blue, C02-04002) was used to stain the cell nuclei.



Tissue/cell:Hela cell; 4% Paraformaldehyde-fixed; Triton X-100 at room temperature for 20 min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min; Antibody incubation with (NFKB p65) polyclonal Antibody, Unconjugated (bs-0465R) 1:100, 90 minutes at 37°C; followed by a FITC conjugated Goat Anti-Rabbit IgG antibody at 37°C for 90 minutes, DAPI (blue, C02-04002) was used to stain the cell nuclei.



Blank control:A431. Primary Antibody (green line): Rabbit Anti-NFKB p65 antibody (bs-3485R) Dilution: 1µg /10^6 cells; Isotype Control Antibody (orange line): Rabbit IgG . Secondary Antibody : Goat anti-rabbit IgG-FITC Dilution: 1µg /test. Protocol The cells were fixed with 4% PFA (10min at room temperature)and then permeabilized with 90% ice-cold methanol for 20 min at-20°C. The cells were then incubated in 5%BSA to block non-specific protein-protein interactions for 30 min at room temperature .Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.



Blank control: mouse splenocytes(blue) Isotype

Control Antibody: Rabbit IgG(orange) ;
Secondary Antibody: Goat anti-rabbit IgG-FITC(white blue), Dilution: 1:100 in 1 X PBS containing 0.5% BSA ; Primary Antibody Dilution: 1µl in 100 µL1X PBS containing 0.5% BSA(green).

SELECTED CITATIONS

- **[IF=19]** Yu Xie. et al. A Transdermal Drug Delivery System Based on Nucleic Acid Nanomaterials for Skin Photodamage Treatment. ADV FUNCT MATER. 2023 Jul;:2303580 IHC ;Mouse. 10.1002/adfm.202303580
- **[IF=17.521]** Yi Yan. et al. Nanomedicines Reprogram Synovial Macrophages by Scavenging Nitric Oxide and Silencing CA9 in Progressive Osteoarthritis. Advanced Science. 2023 Feb;:2207490 WB ;Mouse. 36748885
- **[IF=15.304]** Sitong Liu. et al. MRI-visible mesoporous polydopamine nanoparticles with enhanced antioxidant capacity for osteoarthritis therapy. BIOMATERIALS. 2023 Apr;295:122030 WB ;Mouse. 36758340
- **[IF=13.273]** Xuefang Hao. et al. Biomimetic and responsive nanoparticles loading JQ1 for dual-targeting treatment of vascular restenosis via multiple actions. Chem Eng J. 2021 Nov;:133452 WB ;Mouse. 10.1016/j.cej.2021.133452
- **[IF=12.88]** Ma, Juan, et al. "A Crucial Role of Lateral Size for Graphene Oxide in Activating Macrophages and Stimulating Pro-inflammatory Responses in Cells and Animals." ACS nano (2015). WB ;="Mouse". 26389709