

phospho-NFkB p65 (Ser281) Rabbit pAb

Catalog Number: bs-17502R

Target Protein: phospho-NFkB p65 (Ser281)

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Polyclonal

Isotype: IgG

Applications: WB (1:500-2000), Flow-Cyt (1µg/Test)

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

Predicted MW: 61 kDa

Entrez Gene: 5970

Swiss Prot: Q04206

Source: KLH conjugated synthesised phosphopeptide derived from human NFkB p65 around the phosphorylation site of Ser281: EL(p-S)EP.

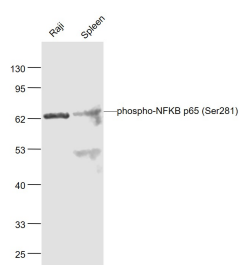
Purification: affinity purified by Protein A

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

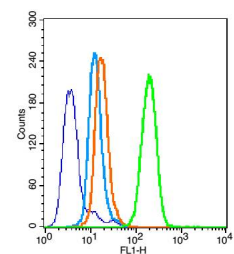
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

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].

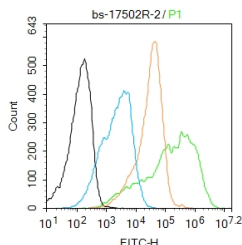
VALIDATION IMAGES



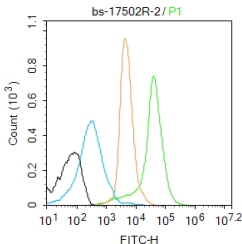
Sample: Raji(Human) Cell Lysate at 30 ug Spleen (Mouse) Lysate at 40 ug Primary: Anti-phospho-NFkB p65 (Ser281) (bs-17502R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 65 kD Observed band size: 65 kD



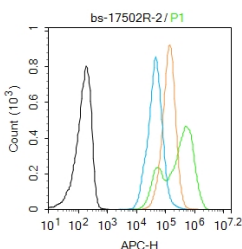
Overlay histogram showing HL 60 cells stained with bs-17502R (Green line). The cells were fixed with 90% methanol (5 min) and then permeabilized with 0.01M PBS-Tween for 20 min. The cells were then incubated in 1x PBS / 10% normal goat serum to block non-specific protein-protein interactions followed by the antibody (bs-17502R, 1µg/1x10⁶ cells) for 30 min at 22°C. The secondary antibody used was fluorescein isothiocyanate goat anti-rabbit IgG (H+L) (bs- 0295G-FITC , Brilliant blue line) at 1/200 dilution for 30 min at 22°C. Isotype control antibody was rabbit IgG (polyclonal, bs-0295P, Orange line) (1µg/1x10⁶ cells) used under the same conditions. Unlabelled sample (blue line) was also used as a control. Acquisition of 20,000 events were collected using a 20mW Argon ion laser (488nm) and 525/30 bandpass filter.



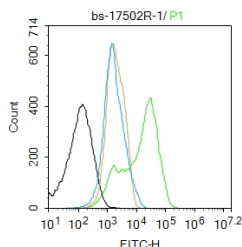
Blank control: Mouse thymus. Primary Antibody (green line): Rabbit Anti-phospho-NFKB p65 (Ser281) antibody (bs-17502R) Dilution: 2µg /10⁶ cells; Isotype Control Antibody (orange line): Rabbit IgG . Secondary Antibody : Goat anti-rabbit IgG-AF488 Dilution: 1µg /test. Protocol The cells were fixed with 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 spleen. Primary Antibody (green line): Rabbit Anti-phospho-NFKB p65 (Ser281) antibody (bs-17502R) Dilution: 2µg /10⁶ cells; Isotype Control Antibody (orange line): Rabbit IgG . Secondary Antibody : Goat anti-rabbit IgG-AF488 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: MCF7. Primary Antibody (green line): Rabbit Anti-phospho-NFKB p65 (Ser281) antibody (bs-17502R) Dilution: 2µg /10⁶ cells; Isotype Control Antibody (orange line): Rabbit IgG . Secondary Antibody : Goat anti-rabbit IgG-AF647 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: HL-60. Primary Antibody (green line): Rabbit Anti-phospho-NFKB p65 (Ser281) antibody (bs-17502R) Dilution: 1µg /10⁶ 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.

PRODUCT SPECIFIC PUBLICATIONS

[IF=7.032] Xingqiang He. et al. Long Non-coding RNA PEBP1P2 Suppresses Proliferative VSMCs Phenotypic Switching and Proliferation in Atherosclerosis. Mol Ther-Nucl Acids. 2020 Dec;22:84 WB ; Human . 32916601

[IF=6.543] Gao Yaran. et al. DL-3-n-Butylphthalide Improves Neuroinflammation in Mice with Repeated Cerebral Ischemia-Reperfusion Injury through the Nrf2-Mediated Antioxidant Response and TLR4/MyD88/NF-κB Signaling Pathway. OXID MED CELL LONGEV. 2022;2022:8652741 WB ; Mouse . 35615581

[IF=5.7] Zehua Zhou. et al. Ginsenoside Rg1 Suppresses Pyroptosis via the NF-κB/NLRP3/GSDMD Pathway to Alleviate Chronic Atrophic Gastritis In Vitro and In Vivo. J AGR FOOD CHEM. 2024;XXXX(XXX):XXX-XXX WB ; Rat, Human . 38855973

[IF=6.064] Mengni Bao. et al. N-Acetylcysteine, an ROS Inhibitor, Alleviates the Pathophysiology of Hyperthyroidism-Induced Cardiomyopathy via the ROS/Ca²⁺ Pathway. BIOMOLECULES. 2022 Sep;12(9):1195 WB ; Mouse, Rat . 10.3390/biom12091195

[IF=5.6] Yaxi Zhou. et al. Silkworm pupa protein peptide improved DSS-induced colitis in C57BL/6 mice through the MAPK/NF-κB signaling pathway. J FUNCT FOODS. 2023 Nov;110:105852 WB ; Mouse . 10.1016/j.jff.2023.105852