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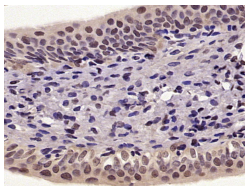
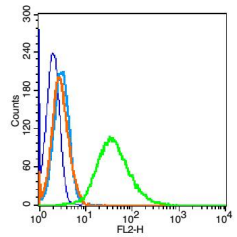
Phospho-NFKB p65 (Ser276) Rabbit pAb

Catalog Number:	bs-3543R
Target Protein:	Phospho-NFKB p65 (Ser276)
Concentration:	1mg/ml
Form:	Liquid
Host:	Rabbit
Clonality:	Polyclonal
Isotype:	IgG
Applications:	IHC-P (1:100-500), IHC-F (1:100-500), IF (1:100-500), Flow-Cyt (0.2μg /Test), ICC/IF (1:100)
Reactivity:	Human, Mouse, Rat (predicted:Pig, Cow, Dog, Horse)
Predicted MW:	61 kDa
Entrez Gene:	5970
Swiss Prot:	Q04206
Source:	KLH conjugated Synthesised phosphopeptide derived from human NFKBp65 around the phosphorylation site of Ser276: RP(p-S)DR.
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].

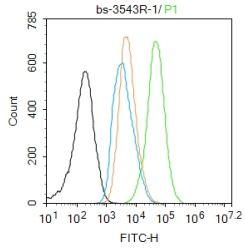
VALIDATION IMAGES



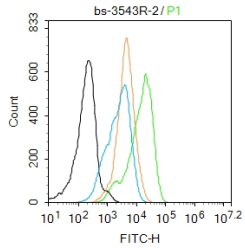
Paraformaldehyde-fixed, paraffin embedded (Rat urinary bladder); Antigen retrieval by microwave in sodium citrate buffer (pH6.0) ; Block endogenous peroxidase by 3% hydrogen peroxide for 30 minutes; Blocking buffer (3% BSA) at RT for 30min; Antibody incubation with (Phospho-NFKB p65(Ser276)) Polyclonal Antibody, Unconjugated (bs-3543R) at 1:400 overnight at 4°C, followed by conjugation to the secondary antibody (labeled with HRP)and DAB staining.



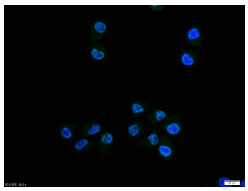
Blank control(blue): Jurkat cells(fixed with 2% paraformaldehyde (10 min) , then permeabilized with 90% ice-cold methanol for 30 min on ice). Primary Antibody:Rabbit Anti-NFKB p65(Ser276)antibody antibody(bs-3543R), Dilution: 0.2µg in 100 µL 1X PBS containing 0.5% BSA; Isotype Control Antibody: Rabbit IgG(orange),used under the same conditions); Secondary Antibody: Goat anti-rabbit IgG-PE(white blue), Dilution: 1:200 in 1 X PBS containing 0.5% BSA.



Blank control:A431. Primary Antibody (green line): Rabbit Anti-Phospho-NFKB p65 (Ser276) antibody (bs-3543R) 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:HL-60. Primary Antibody (green line): Rabbit Anti-Phospho-NFKB p65 (Ser276) antibody (bs-3543R) Dilution: 2µg /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.



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 (Phospho-NFKB p65 (Ser276)) polyclonal Antibody, Unconjugated (bs-3543R) 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: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 (Phospho-NFKB p65 (Ser276)) polyclonal Antibody,Unconjugated (bs-2048R) 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.

PRODUCT SPECIFIC PUBLICATIONS

[IF=40.73] Parker, Matthew, et al. "C11orf95-RELA fusions drive oncogenic NF-kB signalling in ependymoma." Nature (2014). IHC ; Human&Mouse . 24553141

[IF=10.383] Zhen Xu. et al. Green Biosynthesis of Silver Nanoparticles Using Aqueous Extracts of Ageratum Conyzoides and Their Anti-Inflammatory Effects. ACS APPL MATER INTER. 2023;XXXX(XXX):XXX-XXX WB ; Mouse,Human . 36881383

[IF=8.2] Feng Gao. et al. Goat milk exosomal microRNAs alleviate LPS-induced intestinal inflammation in mice. INT J BIOL MACROMOL. 2024 May;268:131698 IHC,WB ; Mouse,Rat . 38642690

[IF=7.9] Kuangyang Yang. et al. Identification of Andrographolide as a novel FABP4 inhibitor for osteoarthritis treatment. PHYTOMEDICINE. 2023 Sep;118:154939 WB ; Human . 37354697

[IF=7.561] Sun J. et al. Plasma Exosomes Transfer miR-885-3p Targeting the AKT/NFκB Signaling Pathway to Improve the Sensitivity of Intravenous Glucocorticoid Therapy Against Graves Ophthalmopathy.. Front Immunol. 2022 Feb;13:819680-819680 WB ; Mouse . 35265076