

bs-20160R**[Primary Antibody]****RELA | NFκB p65 Rabbit pAb**

Bioss
ANTIBODIES

www.bioss.com.cn

sales@bioss.com.cn

techsupport@bioss.com.cn

400-901-9800

DATASHEET**Host:** Rabbit**Isotype:** IgG**Clonality:** Polyclonal**GeneID:** 5970**SWISS:** Q04206**Target:** RELA | NFκB p65**Immunogen:** KLH conjugated synthetic peptide derived from human NFκB p65: 201-300/551.**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 NFκB1 or NFκB2 bound to either REL, RELA, or RELB. The most abundant form of NF-kappa-B is NFκB1 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].

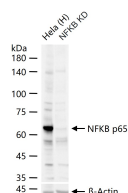
Applications: **WB** (1:1000-5000)
IHC-P (1:100-200)
IHC-F (1:100-200)
IF (1:100-200)
Flow-Cyt (1:50-100)
ICC/IF (1:100-200)

Reactivity: Human, Mouse, Rat

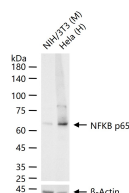
Predicted
MW.: 61 kDa

Observed
MW.: 65 kDa

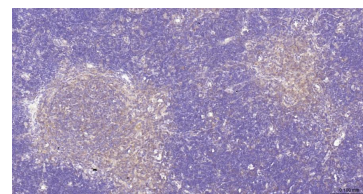
Subcellular
Location: Cytoplasm ,Nucleus

VALIDATION IMAGES

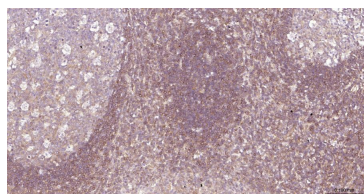
25 ug total protein per lane of various lysates (see on figure) probed with NFκB p65 polyclonal antibody, unconjugated (bs-20160R) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.



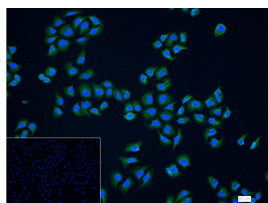
25 ug total protein per lane of various lysates (see on figure) probed with NFκB p65 polyclonal antibody, unconjugated (bs-20160R) at 1:5000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.



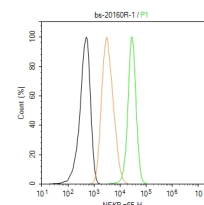
Paraformaldehyde-fixed, paraffin embedded Mouse Thymus; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with NFκB p65 Polyclonal Antibody, Unconjugated (bs-20160R) at 1:200 overnight at 4°C, followed by conjugation to the bs-0295G-HRP and DAB (C-0010) staining.



Paraformaldehyde-fixed, paraffin embedded Human Tonsil; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with NFκB p65 Polyclonal Antibody, Unconjugated (bs-20160R) at 1:200 overnight at 4°C, followed by conjugation to the bs-0295G-HRP and DAB (C-0010) staining.



4% Paraformaldehyde-fixed HeLa (H) cell; Triton X-100 at r.t. for 20 min; Antibody incubation with (NFκB p65) polyclonal Antibody, unconjugated (bs-20160R) 1:100, 90 min at 37°C; followed by conjugated Goat Anti-Rabbit IgG antibody (green, bs-60295G-FITC) at 37°C for 90 min, DAPI (blue, C02-04002) was used to stain the cell nuclei. PBS instead of the primary antibody was used as the blank control.



The HeLa (H) cells were fixed with 4% PFA (10 min at r.t.) and then permeabilized with 90% ice-cold methanol for 20 min at -20°C, the cells then were incubated in 5%BSA to block non-specific protein-protein interactions (30 min at r.t.), followed by secondary antibody incubation for 40 min at room temperature. Primary Antibody (green):Rabbit Anti-NFκB p65 antibody (bs-20160R,1:100); Isotype Control (orange):

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

— SELECTED CITATIONS —

- **[IF=20.3]** Jingmei Pan. et al. Cyanobacteria-derived near-infrared autofluorescent exosomes enabling synergistic brain lesion imaging and neuroprotection. *BIOACT MATER.* 2026 Sep;63:718-731 IF, WB ; Mouse. 42058625
- **[IF=15.304]** Yao Lei. et al. Phytochemical natural killer cells reprogram tumor microenvironment for potent immunotherapy of solid tumors. *BIOMATERIALS.* 2022 Jun;:121635 WB ; Mouse. 10.1016/j.biomaterials.2022.121635
- **[IF=14.1]** Shenye Qu. et al. A Computational Strategy for Identifying Self-Assembling Food-Derived Molecules for Antiparasitic Nanotherapy. *ADV SCI.* 2026 May;:e24297 WB ; Mouse. 42210792
- **[IF=14.026]** Congcong Chen. et al. Radix Paeoniae Alba attenuates Radix Bupleuri-induced hepatotoxicity by modulating gut microbiota to alleviate the inhibition of saikosaponins on glutathione synthetase. *J PHARM ANAL.* 2023 Jun;13:640 WB ; Rat. 10.1016/j.jpha.2023.04.016
- **[IF=10.684]** Chen Zhang. et al. The novel hyaluronic acid granular hydrogel attenuates osteoarthritis progression by inhibiting the TLR-2/NF- κ B signaling pathway through suppressing cellular senescence. *BIOENG TRANSL MED.* 2022 Dec;:e10475 WB ; Mouse. 10.1002/btm2.10475