

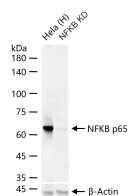
bsm-52305R**[Primary Antibody]****RELA | NFκB p65 Recombinant Rabbit mAb****BioSS**
ANTIBODIES

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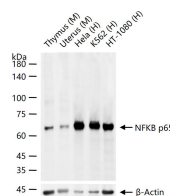
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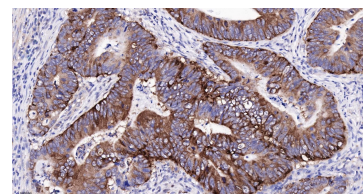
400-901-9800

DATASHEET**Host:** Rabbit**Isotype:** IgG**Clonality:** Recombinant**CloneNo.:** 3G1**GeneID:** 5970**SWISS:** Q04206**Target:** RELA | NFκB p65**Immunogen:** A synthesized peptide derived from human NF-κB p65: 500-551/551.**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:** **WB** (1:1000-5000)
IHC-P (1:100-500)
IHC-F (1:100-500)
IF (1:100-500)
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**

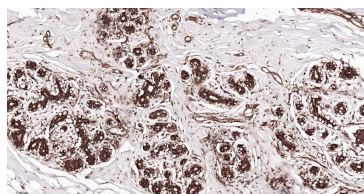
25 ug total protein per lane of various lysates (see on figure) probed with NFKB p65 monoclonal antibody, unconjugated (bsm-52305R) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.



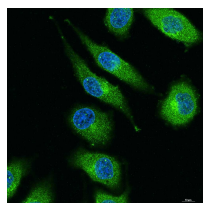
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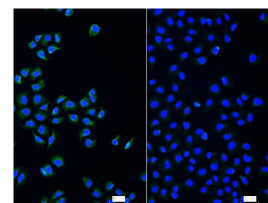
Paraformaldehyde-fixed, paraffin embedded Human Colon Cancer; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with NFKB p65 Monoclonal Antibody, Unconjugated(bsm-52305R) at 1:200 overnight at 4°C, followed by conjugation to the SP Kit (Rabbit, SP-0023) and DAB (C-0010) staining.



Paraformaldehyde-fixed, paraffin embedded Human Breast; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with NFKB p65 Monoclonal Antibody, Unconjugated(bsm-52305R) at 1:200 overnight at 4°C, followed by conjugation to the SP Kit (Rabbit, SP-0023) and DAB (C-0010) staining.



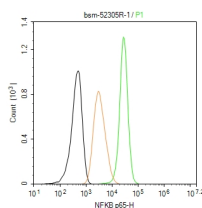
4% Paraformaldehyde-fixed HeLa (H) cell; Triton X-100 at r.t. for 20 min; Antibody incubation with (NFKB p65) monoclonal Antibody, unconjugated (bsm-52305R) 1:100, 90 min at 37°C; followed by BF488 conjugated Goat Anti-Rabbit IgG antibody (green, bs-60295G-BF488) at 37°C for 90 min . DAPI (blue, C02-04002) was used to stain the cell nuclei.



4% Paraformaldehyde-fixed HeLa (left) cell and NFKB p65 knockout HeLa(right) cell; Triton X-100 at r.t. for 20 min; Antibody incubation with (NFKB p65) monoclonal Antibody, unconjugated (bsm-52305R) 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

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nuclei.



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-NFKB p65 antibody (bsm-52305R,1:100); Isotype Control (orange): Rabbit IgG (bs-0295P). Blank control (black): PBS. Acquisition of 20,000 events was performed.

— SELECTED CITATIONS —

- **[IF=17.1]** Lei Liu. et al. Myricetin Oligomer Triggers Multi-Receptor Mediated Penetration and Autophagic Restoration of Blood-Brain Barrier for Ischemic Stroke Treatment. ACS NANO. 2024;XXXX(XXX):XXX-XXX WB ;Mouse. 38533773
- **[IF=8.3]** Qiao Xu. et al. Biological activity study of a pine pollen extract rich in dihydroquercetin for the treatment of psoriasis. PHYTOMEDICINE. 2025 Nov;;157597 WB ;Mouse. 10.1016/j.phymed.2025.157597
- **[IF=5.6]** Yan-Qing Xie. et al. Anti-inflammatory and analgesic effects of Streblus indicus. FRONT PHARMACOL. 2023; 14: 1249234 WB ;Mouse. 37829300
- **[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
- **[IF=4.996]** Zhao, Lei. et al. Lactobacillus plantarum S9 alleviates lipid profile, insulin resistance, and inflammation in high-fat diet-induced metabolic syndrome rats. SCI REP-UK. 2022 Sep;12(1):1-10 WB ;Rat. 36109620