

# Phospho-NFKB p65 (Ser468) (B9) rabbit mAb

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Catalog: #2461

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For Research Use Only. Not For Use In Diagnostic Procedures.

**Applications**  
Flow Cytometry

**Detection**  
Anti-Rabbit IgG

**Clonality**  
Monoclonal

**Isotype**  
Rabbit IgGk

**Format:** Unconjugated

**Cross Reactivity:** Predicted to work with mouse, rat and other homologues.

**Formulation:** 1X PBS, 0.09% NaN<sub>3</sub>, 0.2% BSA

**Preparation:** Protein A+G

**Reactivity:** Human

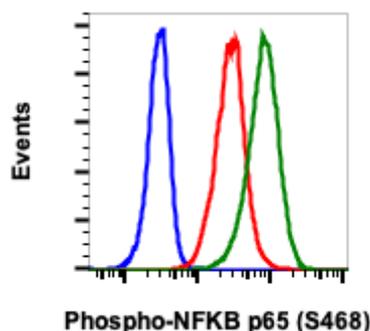
**Recommended Usage:** For flow cytometric staining, the suggested use of this reagent is 5 µL per million cells or 5 µL per 100 µL of staining volume. It is recommended that the reagent be titrated for optimal performance for each application. See product image legends for additional information.

**Immunogen:** A synthetic phospho-peptide corresponding to residues surrounding Ser536 of human phospho-NFKB p65

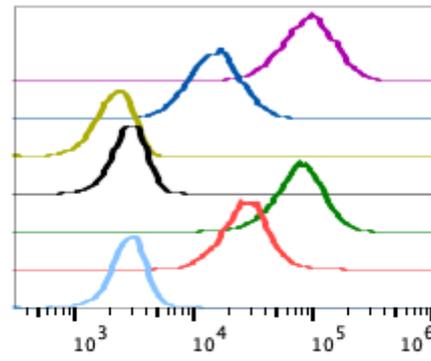
**Description:** The nuclear factor κB (NFκB)/Rel family of transcription factors play a pivotal role in inflammatory and immune responses (1,2). NF-kappa-B is present in almost all cell types and is involved in many biological processes including immunity, inflammation, cell growth and differentiation, apoptosis, and tumorigenesis. NFκB is a homo- or heterodimeric complex formed by the Rel-like domain-containing proteins RELA/p65, RELB, NFκB1/p105, NFκB1/p50, REL and NFκB2/p52. The dimers bind at κB sites in the target gene DNA. Individual dimers have distinct preferences for different κB sites and can act as either transcriptional activators or repressors. NFκB Ser536 phosphorylation stimulates Lys310 acetylation and interaction of phospho NFκB with CBP. Acetylated/phospho NFκB induces enhanced transcriptional activity.

**References:**

1. Baeuerle PA, and Henkel T, 1994, Annu Rev Immunol, 12:141-179.
2. Baeuerle PA, and Baltimore D, 1996, Cell, 87:13-20.



Flow cytometric analysis of A431 cells unstained with as negative control (blue) or untreated (red) or treated with staurosporine (green) and stained using phospho-NFKB p65 (Ser468) antibody NFKBP65S468-B9 at 0.01 ug/mL Cat. #2461.



	\$WELLID	Treatment	Median : BL1-A
█	B9 0.01+NP	Stauro	90472
█	B9 0.01+NP	CTRL	14969
█	B9 0.01+PP	Stauro	2195
█	B9 0.01+PP	CTRL	2896
█	B9 0.01	Stauro	76767
█	B9 0.01	CTRL	27213
█	CELL ONLY	CTRL	2879

Peptide blocking flow cytometric analysis of A431 cells secondary antibody only negative control (light blue) or untreated (red) or treated with staurosporine (green) or untreated and blocked with phospho-peptide (black) or treated and blocked with phospho peptide (gold) or untreated and blocked with non-phospho peptide (dark blue) or treated and blocked with non-phospho peptide (purple) using Phospho-NFkB p65 (Ser468) antibody NFkBp65S468-B9 at 0.01µg/mL. Cat. #2461.