Phospho-NF-kB p65-S276 Rabbit pAb

**Catalog No.** AP0123  
**Category** Phosphorylated Antibodies  
**Applications** WB, IHC, IF  
**Observed MW** 60kDa  
**Cross-reactivity** Human, Mouse, Rat  
**Calculated MW** 58kDa/59kDa/60kDa

**Immunogen Information**
- **Immunogen**: A synthetic phosphorylated peptide around S276 of human NF-kB p65 (NP_068810.3).
- **Gene ID**: 5970  
- **Swiss prot**: Q04206  
- **Synonyms**: NFKB3;p65;NF-kB p65;RELA;CMCU

**Product Information**
- **Source**: Rabbit  
- **Isotype**: IgG  
- **Purification method**: Affinity purification  
- **Storage**: Store at -20℃. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.

**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.

**Recommended Dilutions**
- **WB**: 1:500 - 1:2000  
- **IHC**: 1:50 - 1:100  
- **IF**: 1:20 - 1:50

**Western blot analysis of extracts of C6 cells, using Phospho-NF-kB p65-S276 antibody (AP0123). C6 cells were treated by TNF-α (20 ng/ml) at 37℃ for 30 minutes after serum-starvation overnight. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% BSA. Detection: ECL Basic Kit (RM00020). Exposure time: 90s.**

**Immunohistochemistry of paraffin-embedded rat testis using Phospho-NF-kB p65-S276 antibody (AP0123) at dilution of 1:100 (40x lens).**

**Immunohistochemistry of paraffin-embedded human breast using Phospho-NF-kB p65-S276 antibody (AP0123) at dilution of 1:100 (40x lens).**
Immunohistochemistry of paraffin-embedded human breast cancer using Phospho-NF-κB p65-S276 antibody (AP0123) at dilution of 1:100 (40x lens).

Immunofluorescence analysis of U2OS cells using Phospho-NF-κB p65-S276 antibody (AP0123) at dilution of 1:100. Blue: DAPI for nuclear staining.