NF-kB p65 Antibody

Cat.#: AF5006  
Concn.: 1mg/ml  
Mol.Wt.: 65kDa  
Size: 100ul,200ul  
Source: Rabbit  
Clonality: Polyclonal

Application:  
*The optimal dilutions should be determined by the end user.

Reactivity:  
Human,Mouse,Rat,Monkey

Purification:  
The antiserum was purified by peptide affinity chromatography using SulfoLink™ Coupling Resin (Thermo Fisher Scientific).

Specificity:  
NF-kb p65 Antibody detects endogenous levels of total NF-kB p65.

Immunogen:  
A synthesized peptide derived from human NF-kb p65, corresponding to a region within C-terminal amino acids.

Uniprot:  
Q04206

Description:  
NFKB1 (MIM 164011) or NFKB2 (MIM 164012) is bound to REL (MIM 164910), RELA, or RELB (MIM 604758) to form the NFKB complex. The p50 (NFKB1)/p65 (RELA) heterodimer is the most abundant form of NFKB. The NFKB complex is inhibited by I-kappa-B proteins (NFKBIA, MIM 164008 or NFKBIB, MIM 604495), which inactivate NFKB by trapping it in the cytoplasm.

Storage Condition and Buffer:  
Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at -20 °C. Stable for 12 months from date of receipt.

Western blot analysis of extracts from various samples, using NF-kb p65 Antibody.

Lane 1: HepG2 cells(serum starvation treatment), blocked with antigen-specific peptides,
Lane 2: HepG2 cells(serum starvation treatment),
Lane 3: RAW264.7 cells(serum starvation treatment).
Western blot analysis of extracts from various samples, using NF-κB p65 Antibody.
Lane 1: Rat liver, blocked with antigen-specific peptides,
Lane 2: Rat liver,
Lane 3: HepG2 cells,
Lane 4: 293 cells (LPS 4h treatment).

Western blot analysis of extracts from HUVEC cells, using NF-kappaB p65 Antibody. The lane on the left was treated with blocking peptide.

Western blot analysis of NF-kappaB p65 using various lysates.
Lanes 1 - 2: Merged signal (red and green). Green - AF5006 observed at 65 kDa. Red - loading control, T0004, observed at 36 kDa. Blots were developed with Goat Anti-Rabbit IgG(H+L) FITC-conjugated (S0008) and Goat Anti-Mouse IgG(H+L) Alexa Fluor 594-conjugated (S0005) secondary antibodies.

Western blot analysis of extracts from various samples, using NF-kappaB p65 Antibody.
Lane 1: Rat lung treated with blocking peptide;
Lane 2: Rat lung;
Lane 3: VERO.

Western blot analysis of extracts from various samples, using NF-kappaB p65 Antibody.
Lane 1: hela treated with blocking peptide.
Lane 2: Hela;
Lane 3: Hepg2;

Western blot analysis of NF-kappaB p65 expression in Rat spleen lysate.
AF5006 at 1/100 staining Human Breast Cancer tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22°C. An HRP conjugated goat anti-rabbit antibody was used as the secondary antibody.

AF5006 staining HepG2 cells by IF/ICC. The samples were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25°C. Samples were then incubated with primary Ab(AF5006) and mouse anti-beta tubulin Ab(T0023) for 1 hour at 37°C. An AlexaFluor594 conjugated goat anti-rabbit IgG(H+L) Ab(Red) and an AlexaFluor488 conjugated goat anti-mouse IgG(H+L) Ab(Green) were used as the secondary antibody.

**IMPORTANT:** For western blot, incubate membrane with diluted primary Ab in 5% w/v milk, 1X TBS, 0.1% Tween®20 at 4°C with gentle shaking, overnight.