## NF-κB p65 Antibody

<table>
<thead>
<tr>
<th>Cat.#</th>
<th>AF5006</th>
<th>Concn.</th>
<th>1mg/ml</th>
<th>Mol.Wt.</th>
<th>65kDa</th>
</tr>
</thead>
<tbody>
<tr>
<td>Size</td>
<td>50ul, 100ul, 200ul</td>
<td>Source</td>
<td>Rabbit</td>
<td>Clonality</td>
<td>Polyclonal</td>
</tr>
</tbody>
</table>

### Application:

### Reactivity:
Human, Mouse, Rat, Monkey

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

### Specificity:
NF-κB p65 Antibody detects endogenous levels of total NF-κB p65.

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

### Uniprot:
Q04206

### Description:
NFκB1 (MIM 164011) or NFκB2 (MIM 164012) is bound to REL (MIM 164910), RELA, or RELB (MIM 604758) to form the NFκB complex. The p50 (NFκB1)/p65 (RELA) heterodimer is the most abundant form of NFκB. The NFκB complex is inhibited by I-kappa-B proteins (NFκBIA, MIM 164008 or NFκBIB, MIM 604495), which inactivate NFκB 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:
Western blot analysis of extracts from HUVEC cells, using NFκB 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.