

## Basic Information

|                    |   |
|--------------------|---|
| Product Name       | Anti-NF- $\kappa$ B p65/RELA Antibody   |
| Gene Name          | RELA  |
| Source             | Rabbit  |
| Clonality          | Polyclonal  |
| Isotype            | IgG   |
| Species Reactivity | mouse, rat  |
| Tested Application | WB  |
| Contents           | 500 ug/ml antibody with PBS, 0.02% NaN <sub>3</sub> , 1 mg/ml BSA and 50% glycerol.   |
| Immunogen          | E.coli-derived mouse NF- $\kappa$ B p65 recombinant protein (Position: D291-Q479). Mouse NF- $\kappa$ B p65 shares 77% amino acid (aa) sequence identity with human NF- $\kappa$ B p65. |
| Concentration      | 500 ug/ml   |
| Purification       | Immunogen affinity purified.  |
| Observed MW        | 65 kDa  |
| Dilution Ratios    | Western blot (WB):1:500-2000  |

## Storage

12 months from date of receipt, -20°C as supplied.

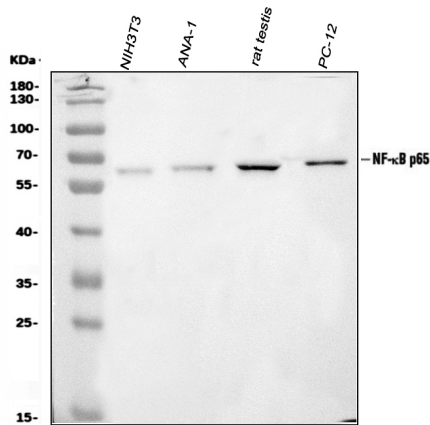
## Background Information

Transcription factor p65, also known as NFKB3 or NF- $\kappa$ B p65, is a protein encoded by the RELA gene. NFKB is an essential transcription factor complex involved in all types of cellular processes, including cellular metabolism, chemotaxis, etc, and it may play a role in inflammatory conditions of the peripheral nervous system. Phosphorylation and acetylation of NFKB3 are crucial post-translational modifications required for NFKB activation. It has also been shown to modulate immune responses, and activation of NFKB3 is positively associated with multiple types of cancer. In addition to that, NFKB3 antagonizes TNFR1-JNK proliferative signals in epidermis and plays a nonredundant role in restraining epidermal growth.

## Reference

Anti-NF- $\kappa$ B p65/RELA Antibody被引用在32文献中。

## Selected Validation Data



Western blot analysis of anti-NF $\kappa$ Bp65(RELA) antibody (PB0321). The sample well of each lane was loaded with 30ug of sample under reducing conditions.

Lane 1: mouse NIH/3T3 whole cell lysates,

Lane 2: mouse Ana-1 whole cell lysates,

Lane 3: rat testis tissue lysates,

Lane 4: rat PC-12 whole cell lysates.

Use rabbit anti-NF $\kappa$ Bp65(RELA) 1:1000, probed with a goat anti-rabbit IgG-HRP secondary antibody. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit (Catalog#EK1002). A specific band was detected for NF $\kappa$ Bp65(RELA) at approximately 65KD. The expected band size for NF $\kappa$ Bp65(RELA) is at 60KD.