

Code No. 18665

**Anti-Human  
NF kappa B p65 (N) Rabbit IgG Affinity Purify**

Volume : 100  $\mu$ g

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**Introduction** : In 1986, a transcription factor binding to an enhancer region that is necessary to express immunoglobulin  $\kappa$  light chain gene on mature B cells specifically was identified, and it was named nuclear factor  $\kappa$ B (NF $\kappa$ B, nuclear factor of kappa light chain gene enhancer in B cells). Afterwards, it was clarified that NF $\kappa$ B is two hetero dimeric forms of p50 and p65, and it was also found that each molecule has high homology with c-Rel (oncoprotein of avian retrovirus (reticuloendotheliosis virus strain T) that induces a tumor to the spleen) by cDNA cloning. Nowadays, NF $\kappa$ B is classified into Rel family proteins. In a cell signaling system, NF $\kappa$ B forms a complex with I $\kappa$ B in the cytoplasm, and it is inactivated. It is thought that NF- $\kappa$ B is a transcription factor distributed in many kinds of cells. It shifts to the nucleus by I $\kappa$ B's being dissolved along with various stimulation, and then controls the expressions of various genes.

**Antigen** : Synthetic peptide for N-terminal of Human NF kappa B p65 protein (MDELFLIFPAEPAQAS)

**Purification** : Affinity Purified with synthetic peptide

**Form** : Lyophilized product from 1% BSA in PBS containing 0.05%NaN<sub>3</sub>

**How to use** : 1 ml distilled water will be added to the product

**Dilution** : PBS (pH7.4) containing 1% BSA

**Stability** : Lyophilized product, 5 years at 2 – 8 °C  
: Solution, 2 years at –20 °C

**Application** : This antibody can be stained in formalin fixed paraffin embedded tissues after microwave treatment with 10mM citric acid buffer.  
The optimal dilution is 5  $\mu$ g/ml, however, the dilution rate should be optimized by each laboratories.  
: This antibody can be used for western blotting in concentration of 1~5  $\mu$ g/ml.

**Specificity** : Confirmed in Human KG-1 Cell Line and Human Raji Cell Line