

# Phospho-NFKB1-S337 Rabbit Polyclonal Antibody

## CABP0125



### Product Information

**Size:**

20uL, 50uL, 100uL, 200uL

**Observed MW:**

120kDa

**Calculated MW:**

85kDa/105kDa

**Applications:**

WB

**Reactivity:**

Human, Mouse, Rat

### Antibody Information

**Recommended dilutions:**

WB 1:500 - 1:2000

**Source:**

Rabbit

**Isotype:**

IgG

**Purification:**

Affinity purification

### Protein Background

This gene encodes a 105 kD protein which can undergo cotranslational processing by the 26S proteasome to produce a 50 kD protein. The 105 kD protein is a Rel protein-specific transcription inhibitor and the 50 kD protein is a DNA binding subunit of the NF-kappa-B (NFKB) protein complex. NFKB is a transcription regulator that is activated by various intra- and extra-cellular stimuli such as cytokines, oxidant-free radicals, ultraviolet irradiation, and bacterial or viral products. Activated NFKB translocates into the nucleus and stimulates the expression of genes involved in a wide variety of biological functions. Inappropriate activation of NFKB has been associated with a number of inflammatory diseases while persistent inhibition of NFKB leads to inappropriate immune cell development or delayed cell growth. Alternative splicing results in multiple transcript variants encoding different isoforms, at least one of which is proteolytically processed.

### Immunogen information

**Gene ID:**

4790

**Uniprot**

P19838

**Synonyms:**

NFKB1; CVID12; EBP-1; KBF1; NF-kB1; NF-kappa-B; NF-kappaB; NFKB-p105; NFKB-p50; NFkappaB; p105; p50

**Immunogen:**

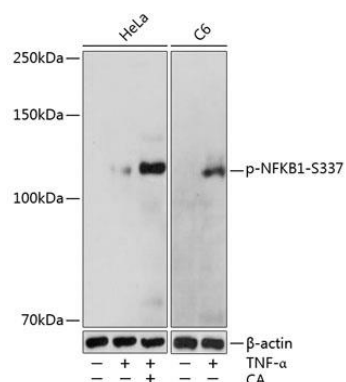
A phospho specific peptide corresponding to residues surrounding S337 of human NFKB1

**Storage:**

Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

## Product Images

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Western blot analysis of extracts of various cell lines, using Phospho-NFKB1-S337 pAb (CABP0125) at 1:1000 dilution. HeLa cells were treated by TNF-alpha (20 ng/mL) and Calyculin A (100 nM) at 37°C for 10 minutes. C6 cells were treated by TNF-a (20 ng/mL) at 37°C for 10 minutes. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (CABM00020). Exposure time: 1s.