

AP1355

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## Phospho-NF- $\kappa$ B p105-S932 Rabbit mAb

Catalog No.: AP1355

Recombinant

8 Publications

### Basic Information

#### Observed MW

120kDa

#### Calculated MW

105kDa

#### Category

SMab Recombinant Monoclonal Antibody

#### Applications

WB, ELISA

#### Cross-Reactivity

Human, Mouse

#### CloneNo number

ARC55043

### 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. NFKB is a critical regulator of the immediate-early response to viral infection. Alternative splicing results in multiple transcript variants encoding different isoforms, at least one of which is proteolytically processed.

### Recommended Dilutions

WB 1:1000 - 1:5000

### Immunogen Information

#### Gene ID

4790

#### Swiss Prot

P19838

#### Immunogen

A synthetic phosphorylated peptide around S932 of human Phospho-NF- $\kappa$ B p105-S932 (NP\_001158884.1).

#### Synonyms

KBF1; EBP-1; NF-kB; CVID12; NF-kB1; NFKB-p50; NFkappaB; NF-kappaB; NFKB-p105; NF-kappa-B1; NF-kappabeta; Phospho-NF- $\kappa$ B p105-S932

### Contact



[www.abclonal.com](http://www.abclonal.com)

### Product Information

#### Source

Rabbit

#### Isotype

IgG

#### Purification

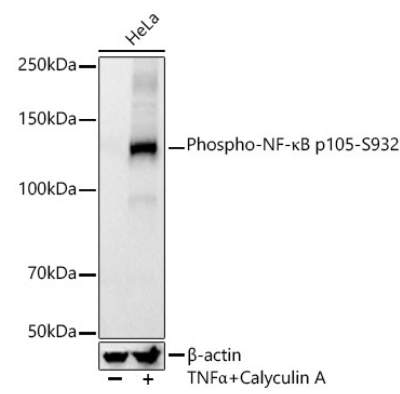
Affinity purification

#### Storage

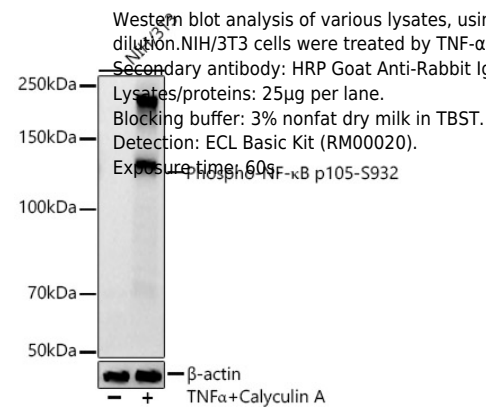
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.05% proclin300, 0.05% BSA, 50% glycerol, pH7.3.

Validation Data



Western blot analysis of various lysates, using Phospho-NF- $\kappa$ B p105-S932 antibody (AP1355) at 1:2000 dilution. HeLa cells were treated by TNF- $\alpha$  (20 ng/ml) and Calyculin A (100 nM) at 37°C for 10 minutes. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25 $\mu$ g per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 30s.



Western blot analysis of various lysates, using Phospho-NF- $\kappa$ B p105-S932 antibody (AP1355) at 1:2000 dilution. NIH/3T3 cells were treated by TNF- $\alpha$  (20 ng/ml) and Calyculin A (100 nM) at 37°C for 10 minutes. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25 $\mu$ g per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 60s.