

# [KO Validated] NFKB1 Rabbit pAb

Catalog No.: A6667 **KO** **Validated** **12 Publications**

## Basic Information

### Catalog No.

A6667

### Observed MW

120kDa

### Calculated MW

85kDa/105kDa

### Category

Primary antibody

### Applications

WB, IHC, IF

### Cross-Reactivity

Human, Mouse, Rat

## Recommended Dilutions

<b>WB</b>	1:500 - 1:2000
<b>IHC</b>	1:50 - 1:200
<b>IF</b>	1:50 - 1:100

## Contact

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

## 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

<b>Gene ID</b>	<b>Swiss Prot</b>
4790	P19838

### Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 740-964 of human NFKB1 (NP\_001158884.1).

### Synonyms

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

## Product Information

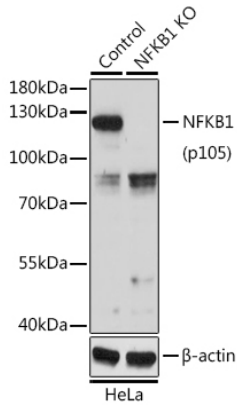
<b>Source</b>	<b>Isotype</b>	<b>Purification</b>
Rabbit	IgG	Affinity purification

### Storage

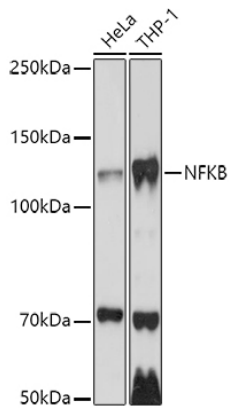
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.

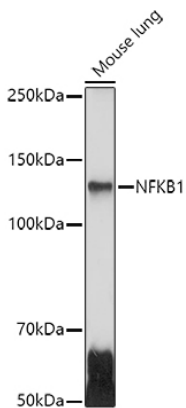
## Validation Data



Western blot analysis of extracts from normal (control) and NFKB1 knockout (KO) HeLa cells, using NFKB1 antibody (A6667) at 1:1000 dilution.  
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
Lysates/proteins: 25ug per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.  
Detection: ECL Basic Kit (RM00020).  
Exposure time: 30s.



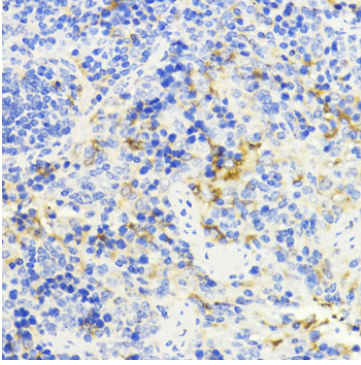
Western blot analysis of extracts of various cell lines, using NFKB1 antibody (A6667) at 1:1000 dilution.  
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
Lysates/proteins: 25ug per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.  
Detection: ECL Basic Kit (RM00020).  
Exposure time: 90s.



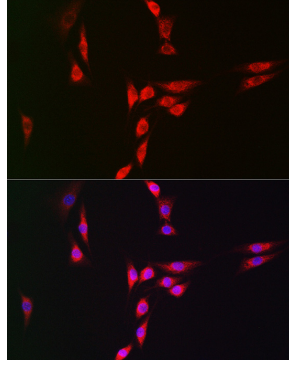
Western blot analysis of extracts of Mouse lung, using NFKB1 antibody (A6667) at 1:1000 dilution.  
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
Lysates/proteins: 25ug per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.  
Detection: ECL Basic Kit (RM00020).  
Exposure time: 180s.

## Validation Data

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Immunohistochemistry of paraffin-embedded mouse spleen using NFKB1 antibody (A6667) at dilution of 1:200 (40x lens).



Immunofluorescence analysis of NIH-3T3 cells using [KO Validated] NFKB1 Rabbit pAb (A6667) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.