

## anti- p65/RELA antibody

### Product Information

Catalog No.:	FNab06089
Size:	100µg
Form:	liquid
Purification:	Immunogen affinity purified
Purity:	≥95% as determined by SDS-PAGE
Host:	Rabbit
Clonality:	polyclonal
Clone ID:	None
IsoType:	IgG
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3, -20°C for 12 months (Avoid repeated freeze / thaw cycles.)

### Background

Nuclear factor  $\kappa$  B (NF- $\kappa$ B) is a sequence-specific DNA-binding protein complex which regulates the expression of viral genomes, including the human immunodeficiency virus, and a variety of cellular genes, particularly those involved in immune and inflammatory responses. The members of the NF- $\kappa$ B family in mammalian cells include the proto-oncogene c-Rel, p50/p105 (NF $\kappa$ B1), p65 (RelA), p52/p100 (NF $\kappa$ B2), and RelB. All of these proteins share a conserved 300-amino acid region known as the Rel homology domain which is responsible for DNA binding, dimerization, and nuclear translocation of NF- $\kappa$ B. The p65 subunit is a major component of NF- $\kappa$ B complexes and is responsible for trans-activation. NF- $\kappa$ B heterodimeric p65-p50 and p65-c-Rel complexes are transcriptional activators. The NF- $\kappa$ B p65-p65 complex appears to be involved in invasion-mediated activation of IL-8 expression. The inhibitory effect of I- $\kappa$ B upon NF- $\kappa$ B in the cytoplasm is exerted primarily through the interaction with p65. p65 shows a weak DNA-binding site which could contribute directly to DNA binding in the NF- $\kappa$ B complex. It associates with chromatin at the NF- $\kappa$ B promoter region via association with DDX1. This antibody is a rabbit polyclonal antibody raised against residues near the N terminus of human RELA.

### Immunogen information

Immunogen: v-relreticuloendotheliosis viral oncogene homolog A (avian)

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B9 Bld, High-Tech Medical Devices Park, No. 818 Gaoxin Ave. East Lake High-Tech Development Zone, Wuhan, Hubei, China (430206)

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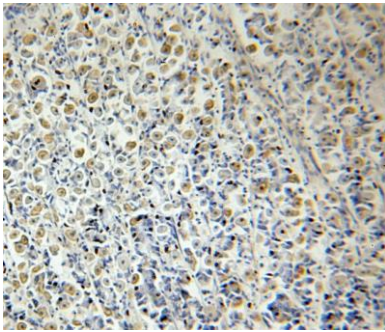
Fax: (0086) 027-87800889 [www.fn-test.com](http://www.fn-test.com)

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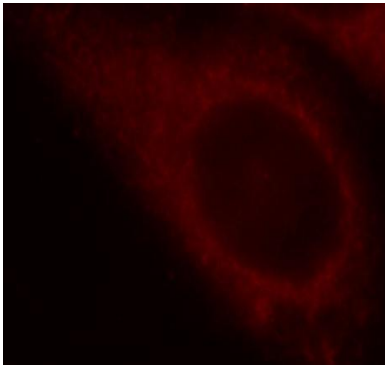
Synonyms: NFKB 3, NFKB p65, NFKB3, p65, RELA, Transcription factor p65  
Observed MW: 65 kDa  
UniprotID : Q04206

### Application

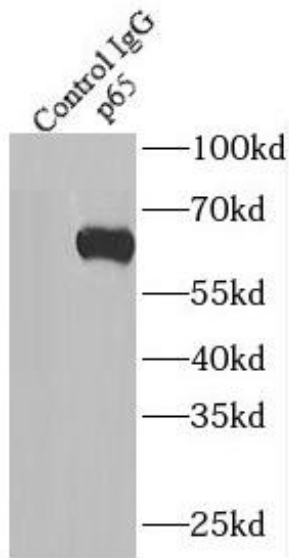
Reactivity: Human, Mouse, Rat, Pig  
Tested Application: ELISA, IHC, IF, IP, WB, FC  
Recommended dilution: WB: 1:500-1:5000; IP: 1:500-1:5000; IHC: 1:50-1:200; IF: 1:10-1:100  
Image:



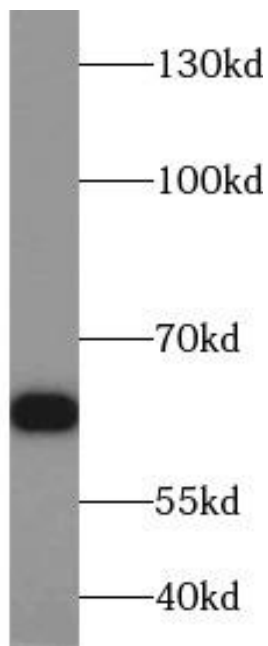
Immunohistochemistry of paraffin-embedded human liver cancer using FNab06089(p65 antibody) at dilution of 1:50



Immunofluorescent analysis of HepG2 cells, using FNab06089(RELA antibody) at 1:25 dilution and Rhodamine-labeled goat anti-rabbit IgG (red).



IP Result of anti-p65 (IP:FNab06089, 3ug;  
Detection:FNab06089 1:1000) with HeLa cells  
lysate 5000ug.



HeLa cells were subjected to SDS PAGE followed  
by western blot with FNab06089(p65 antibody) at  
dilution of 1:1000