

## anti- p65/RELA antibody

### Product Information

Catalog No.:	CAF50390
Size:	100µg
Form:	liquid
Purification:	Immunogen affinity purified
Purity:	≥95% as determined by SDS-PAGE
Host:	Rabbit
Clonality:	polyclonal
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.

### Immunogen information

Immunogen:	v-rel reticuloendotheliosis viral oncogene homolog A (avian)
Synonyms:	NFKB 3, NFKB p65, NFKB3, p65, RELA, Transcription factor p65
Observed MW:	65 kDa
Uniprot ID :	Q04206

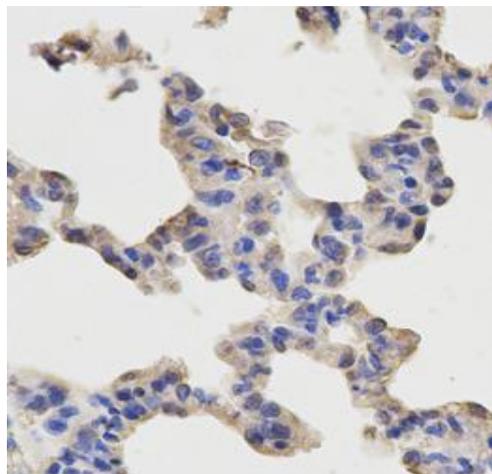
### Application

Reactivity:	Human, Mouse, Rat
Tested Application:	ELISA, IHC, IF, WB
Recommended dilution:	WB: 1:500-1:2000; IHC: 1:50-1:200; IF: 1:50-1:200

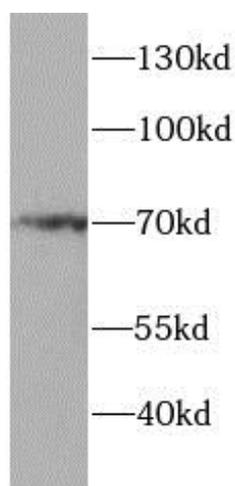
**This Antibody is for Research Use Only. Not for Diagnostic Procedures.**

This is a sample Antibody manual only. Always refer to the hard copy manual included in the Antibody for your experiment.

Image:



Immunohistochemistry of paraffin-embedded rat lung using CAF50390(p65 antibody) at dilution of 1:50



HeLa cells were subjected to SDS PAGE followed by western blot with CAF50390(p65 antibody) at dilution of 1:500

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