

For Research Use Only

# CoraLite®594-conjugated NF-κB p65 Recombinant antibody

Catalog Number:CL594-80979

Featured Product



## Basic Information

**Catalog Number:**

CL594-80979

**Size:**

100ul , Concentration: 1000 ug/ml by Nanodrop;

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG1199

**GenBank Accession Number:**

BC011603

**GeneID (NCBI):**

5970

**UNIPROT ID:**

Q04206

**Full Name:**

v-rel reticuloendotheliosis viral oncogene homolog A (avian)

**Calculated MW:**

65 kDa

**Observed MW:**

65 kDa

**Purification Method:**

Protein A purification

**CloneNo.:**

4C7

**Recommended Dilutions:**

IF/ICC 1:50-1:500

**Excitation/Emission maximum wavelengths:**

588 nm / 604 nm

## Applications

**Tested Applications:**

IF/ICC

**Species Specificity:**

human, mouse, rat

**Positive Controls:**

IF/ICC : TNF alpha treated HT-1080 cells,

## Background Information

Nuclear factor κB (NF-κB) 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-κB family in mammalian cells include the proto-oncogene c-Rel, p50/p105 (NFκB1), p65 (RelA), p52/p100 (NFκB2), 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-κB. The p65 subunit is a major component of NF-κB complexes and is responsible for trans-activation. NF-κB heterodimeric p65-p50 and p65-c-Rel complexes are transcriptional activators. The NF-κB p65-p65 complex appears to be involved in invasion-mediated activation of IL-8 expression. The inhibitory effect of IκB upon NF-κB 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-κB complex. It associates with chromatin at the NF-κB promoter region via association with DDX1. This antibody is a rabbit polyclonal antibody raised against residues near the N terminus of human RELA.

## Storage

**Storage:**

Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

**Storage Buffer:**

PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

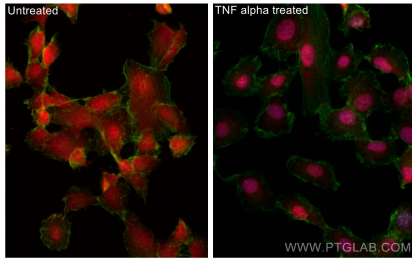
For technical support and original validation data for this product please contact:

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## Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed TNF alpha treated HT-1080 cells using CoraLite®594 NF-kB p65 antibody (CL594-80979, Clone: 4C7) at dilution of 1:200, CL488-Phalloidin (green).