

For Research Use Only

CoraLite®647-conjugated NF-κB p65 Polyclonal antibody



Catalog Number: CL650-10745

Featured Product

Basic Information

Catalog Number: CL650-10745	GenBank Accession Number: BC011603	Purification Method: Antigen affinity purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 5970	Excitation/Emission maxima wavelengths: 654 nm / 674 nm
Source: Rabbit	Full Name: v-rel reticuloendotheliosis viral oncogene homolog A (avian)	
Isotype: IgG	Calculated MW: 65 kDa	
Immunogen Catalog Number: AG1199	Observed MW: 65 kDa	

Applications

Tested Applications:
FC (Intra)

Species Specificity:
human, mouse, rat

Background Information

Nuclear factor κ B (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.
Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data