

For Research Use Only

CoraLite® Plus 488-conjugated NF-κB p65 Polyclonal antibody

Catalog Number:CL488-10745

Featured Product



Basic Information

Catalog Number:

CL488-10745

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:

Antigen affinity purification

Recommended Dilutions:

IF/ICC 1:50-1:500

Excitation/Emission maxima wavelengths:

493 nm / 522 nm

Applications

Tested Applications:

IF/ICC

Species Specificity:

human, mouse, rat, pig

Positive Controls:

IF/ICC : HepG2 cells,

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. 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

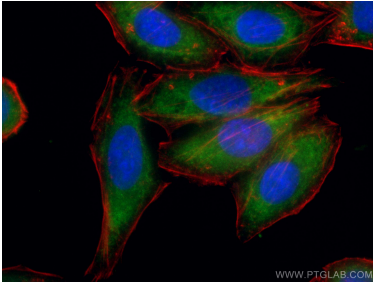
For technical support and original validation data for this product please contact:

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E: proteintech@ptglab.com
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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



Immunofluorescent analysis of (-20°C Methanol) fixed HepG2 cells using CoraLite® Plus 488 NF-κB p65 antibody (CL488-10745, green) at dilution of 1:100, CoraLite®594 Beta Actin antibody (CL594-66009, Clone: 2D4H5, red). DAPI (blue).