

For Research Use Only

# CoraLite®594-conjugated Phospho-NF- $\kappa$ B p65 (Ser468) Recombinant antibody

Catalog Number: CL594-82335



## Basic Information

Catalog Number:

CL594-82335

Concentration:

1000 ug/ml

Source:

Rabbit

Isotype:

IgG

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:

75 kDa

Purification Method:

Protein A purification

CloneNo.:

6N1

Recommended Dilutions:

FC (Intra): 0.13 ug per 10<sup>6</sup> cells in a 100  $\mu$ l suspension

Excitation/Emission maxima wavelengths:

588 nm / 604 nm

## Applications

Tested Applications:

FC (Intra)

Species Specificity:

human, mouse

Positive Controls:

FC (Intra): Calyculin A treated NIH/3T3 cells,

## Background Information

Nuclear factor  $\kappa$ B (NF- $\kappa$ B) is a collective term for a small family of dimeric transcription factors [comprising p65 (RelA) and RelB, c-Rel, p50/p105 (NF- $\kappa$ B1), and p52/p100 (NF- $\kappa$ B2)]. All NF- $\kappa$ B proteins share a Rel homology domain (RHD), which is responsible for DNA binding and dimerization. Only p65, RelB, and c-Rel contain potent transactivation domains within sequences from the C-terminal to the RHD. Exterior signals lead to the phosphorylation and degradation of the inhibitory complex I $\kappa$ B, which is modulated by the I $\kappa$ B kinase (IKK), and its degradation allows for the release of the typical NF- $\kappa$ B heterodimer, p65/p50, to translocate into the nucleus. NF- $\kappa$ B binds to its cognate DNA elements and can transcriptionally activate different target genes among which 200-500 genes have been implicated in cell survival/apoptosis, cell growth, immune response, and inflammation.

## 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, pH7.3

Aliquoting is unnecessary for -20°C storage

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

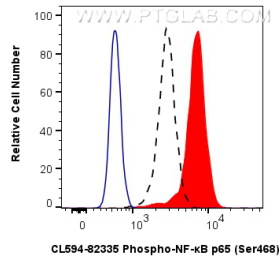
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

W: [ptgcn.com](http://ptgcn.com)

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

## Selected Validation Data



1X10<sup>6</sup> NIH/3T3 cells untreated (dashed lines) or treated with Calyculin A which intracellularly stained with 0.13 ug Coralite®594 Phospho-NF-κ b P65 (Ser468) Recombinant Antibody (CL594-82335, Clone:6N1)(red), or 0.13 ug Coralite®594 Rabbit IgG Isotype Control RecAb (CL594-98136, Clone: 240953C9) (blue). Cells were fixed with 4% PFA and permeabilized with 90% MeOH.