For Research Use Only

CoraLite® Plus 647-conjugated Phospho-NF-κB p65 (Ser468) Recombinant antibody

Catalog Number:CL647-82335

proteintech®
Antibodies | ELISA kits | Proteins
Uni-rAb
www.ptglab.com

Basic Information

Catalog Number:
CL647-82335

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

Excitation/Emission maxima wavelengths:
654 nm / 674 nm

Applications

Tested Applications:
FC (Intra)

Species Specificity:
human, mouse

Background Information

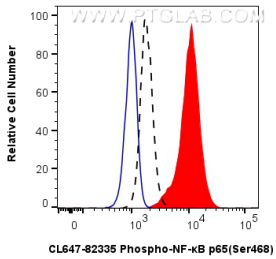
Nuclear factor kB (NF-kB) is a collective term for a small family of dimeric transcription factors [comprising p65 (RelA) and RelB, c-Rel, p50/p105 (NF-κB1), and p52/p100 (NF-κB2)]. All NF-κB proteins share a Rel homology domain (RHD), which is responsible for DNA binding and dimerization. Only p65, 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 IκB, which is modulated by the IκB kinase (IKK), and its degradation allows for the release of the typical NF-κB heterodimer, p65/p50, to translocate into the nucleus. NF-κB 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, pH 7.3.
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 W: ptgcn.com

Selected Validation Data



1X10^6 NIH/3T3 cells untreated (dashed lines) or treated with Calyculin A which intracellularly stained with 0.25 ug Coralite® Plus 647 Phospho-NF-κb P65 (Ser468) Recombinant Antibody (CL647-82335, Clone:6N1)(red), or 0.25 ug CoraLite® Plus 647 Rabbit IgG Isotype Control RecAb (CL647-98136, Clone: 240953C9) (blue). Cells were fixed with 4% PFA and permeabilized with 90% MeOH.