

For Research Use Only

# Phospho-NF- $\kappa$ B p65 (Ser468) Recombinant antibody, PBS Only

Catalog Number: 82335-1-PBS

1 Publications



## Basic Information

Catalog Number:

82335-1-PBS

Concentration:

1mg/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

## Applications

Tested Applications:

WB, FC (Intra), Indirect ELISA

Cited Applications:

WB

Species Specificity:

human, mouse

Cited Species:

mouse

## 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.

## Notable Publications

Author	Pubmed ID	Journal	Application
Li-Quan Huang	39908779	Neoplasia	WB

## Storage

Storage:

Store at -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS only, pH7.3

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

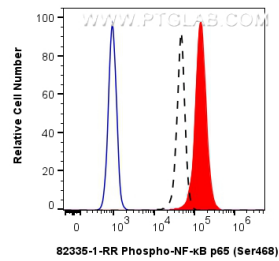
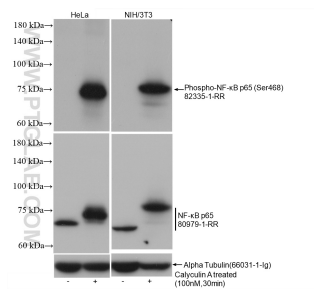
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Selected Validation Data



Non-treated and Calyculin A treated various cells were subjected to SDS PAGE followed by western blot with 82335-1-RR (Phospho-NF-κ B p65 (Ser468) antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with Alpha Tubulin antibody (66031-1-Ig) and NF-κ B p65 antibody (80979-1-RR) subsequently. This data was developed using the same antibody clone with 82335-1-PBS in a different storage buffer formulation.

1X10<sup>6</sup> NIH/3T3 cells untreated (dashed lines) or treated with Calyculin A which intracellularly stained with 0.13 ug Phospho-NF-κ B p65 (Ser468) Recombinant antibody (82335-1-RR, Clone:6N1) and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2)(red), or 0.06 ug Rabbit IgG Isotype Control Recombinant Antibody (98136-1-RR, Clone: 240953C9) (blue). Cells were fixed with 4% PFA and permeabilized with 90% MeOH. This data was developed