

For Research Use Only

Phospho-NF- κ B p65 (Ser468) Recombinant antibody

Catalog Number: 82335-1-RR **155 Publications**



Basic Information

Catalog Number:

82335-1-RR

Concentration:

500 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:

WB 1:2000-1:10000

Applications

Tested Applications:

WB, FC (Intra), ELISA

Cited Applications:

WB, IHC, IF

Species Specificity:

human, mouse

Cited Species:

human, mouse, rat, pig

Positive Controls:

WB: Calyculin A treated HeLa cells, Calyculin A
treated NIH/3T3 cells

Background Information

Nuclear factor κ B (NF- κ B) is a collective term for a small family of dimeric transcription factors [comprising p65 (RelA) and RelB, c-Rel, p50/p105 (NF- κ B1), and p52/p100 (NF- κ B2)]. All NF- κ 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 κ B, which is modulated by the I κ B kinase (IKK), and its degradation allows for the release of the typical NF- κ B heterodimer, p65/p50, to translocate into the nucleus. NF- κ 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
Liqiu Hu	39918058	J Agric Food Chem	WB
Yaoyi Zhang	39900946	NPJ Sci Food	WB
Ye Jiang	39894793	J Neuroinflammation	WB

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

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

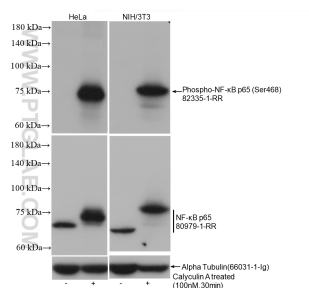
T: 4006900926

E: Proteintech-CN@ptglab.com

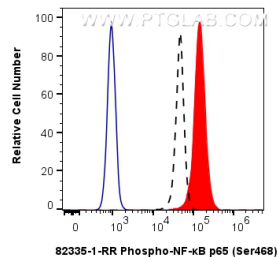
W: ptgcn.com

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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.



1X10⁶ NIH/3T3 cells untreated (dashed lines) or treated with Calyculin A which intracellularly stained with 0.13 μ g 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 μ g Rabbit IgG Isotype Control Recombinant Antibody (98136-1-RR, Clone: 240953C9) (blue). Cells were fixed with 4% PFA and permeabilized with 90% MeOH.