For Research Use Only

Phospho-NF-κB p65 (Ser536) Recombinant antibody, PBS Only

Catalog Number:80379-2-PBS

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Antibodies | ELISA kits | Proteins
Uni-rAb
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Basic Information

Catalog Number:
80379-2-PBS

Size:
100ug , Concentration: 1 mg/ml by Nanodrop;

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 purfication

CloneNo.:
240777D9

Applications

Tested Applications:
WB, FC (Intra), ELISA

Species Specificity:
human, mouse

Background Information

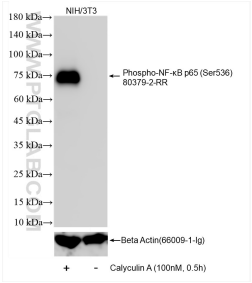
Nuclear factor kB (NF-kB) is a collective term for a small family of dimeric transcription factors [comprising p65 (RelA) and RelB, c-Rel, p50/p105 (NF-κB1), and p52/p100 (NF-κB2)]. All NF-κB proteins share a Rel homology domain (RHD), which is responsible for DNA binding and dimerization. Only p65, 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

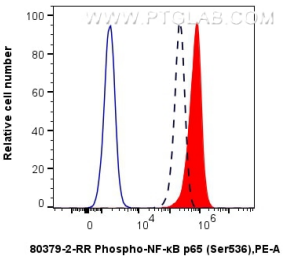
Storage:
Store at -80°C.
Storage Buffer:
PBS Only

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

Selected Validation Data



Non-treated and Calyculin A treated NIH/3T3 cells were subjected to SDS PAGE followed by western blot with 80379-2-RR (Phospho-NF-κB p65 (Ser536) antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. The membrane was stripped and re-blotted with Beta Actin (66009-1-Ig) antibody as a loading control. This data was developed using the same antibody clone with 80379-2-PBS in a different storage buffer formulation.



1x10^6 untreated or Calyculin A treated PC-3 cells were intracellularly stained with 0.25 ug Phospho-NF-κB p65 (Ser536) Recombinant antibody (80379-2-RR, Clone:240777D9) and PE-Conjugated Goat Anti-Rabbit IgG(H+L) (red), or 0.25 ug Isotype Control (blue), 1x10^6 untreated PC-3 cells were intracellularly stained with 0.25 ug Phospho-NF-κB p65 (Ser536) Recombinant antibody (80379-2-RR, Clone:240777D9) and PE-Conjugated Goat Anti-Rabbit IgG(H+L)