

For Research Use Only

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

Catalog Number: 80379-2-PBS



Basic Information

Catalog Number:

80379-2-PBS

Size:

1 mg/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.:

240777D9

Applications

Tested Applications:

WB, FC (Intra), ELISA

Species Specificity:

human, mouse

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.

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

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

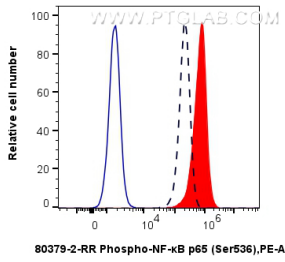
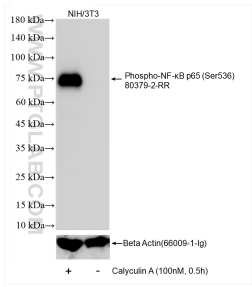
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Selected Validation Data



Non-treated and Calyculin A treated 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.

1x10⁶ 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), 1x10⁶ 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)(black). Cells were fixed