

For Research Use Only

Phospho-NF- κ B p65 (Ser536) Recombinant antibody

Catalog Number: 80379-2-RR

9 Publications



Basic Information

Catalog Number:

80379-2-RR

Size:

100ul, Concentration: 1000 ug/ml by 5970

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 purification

CloneNo.:

240777D9

Recommended Dilutions:

WB 1:2000-1:10000

Applications

Tested Applications:

WB, FC (Intra), ELISA

Cited Applications:

WB

Species Specificity:

human, mouse

Cited Species:

human, mouse, rat

Positive Controls:

WB: Calyculin A treated NIH/3T3 cells, Calyculin A
treated HeLa 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
Peng Zou	39667746	Clin Exp Pharmacol Physiol	WB
Yinan Li	39775885	Adv Mater	WB
Junchen Pan	39763673	Front Immunol	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

*** 20ul sizes contain 0.1% BSA

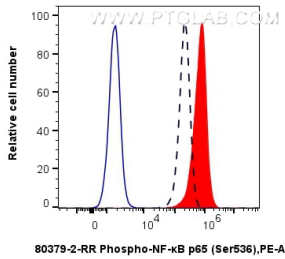
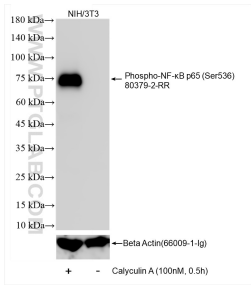
For technical support and original validation data for this product please contact:

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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.

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)

