

CoraLite® Plus 647-conjugated Phospho-NF-κB p65 (Ser536) Recombinant monoclonal antibody

Catalog Number: **CL647-80379-2**

Basic Information

Catalog Number:

CL647-80379-2

GenBank Accession Number:

BC011603

Purification Method:

Protein A purification

Size:

100ul , Concentration: 1000 ug/ml by 5970

GeneID (NCBI):

5970

CloneNo.:

240777D9

Nanodrop;

UNIPROT ID:

Q04206

Recommended Dilutions:FC (Intra): 0.2 ug per 10⁶ cells in a
100 µl suspension**Source:**

Rabbit

Full Name:v-rel reticuloendotheliosis viral
oncogene homolog A (avian)**Excitation/Emission maxima
wavelengths:**

654 nm / 674 nm

Isotype:

IgG

Calculated MW:

65 kDa

Observed MW:

75 kDa

Applications

Tested Applications:

FC (Intra)

Positive Controls:

FC (Intra) : Calyculin A 100nM 0.5h NIH/3T3 cells,

Species Specificity:

human, mouse

Background Information

Nuclear factor κB (NF-κB) 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 -20°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

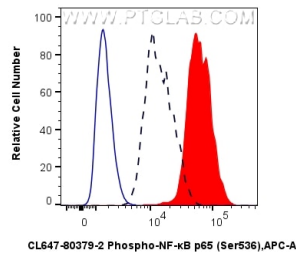
PBS with 50% glycerol, 0.05% Proclin300, 0.5% BSA, pH7.3

Aliquoting is unnecessary for -20°C storage

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

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in USA), or 1(312) 455-8498 (outside USA)E: proteintech@ptglab.com
W: ptglab.com**This product is exclusively available under Proteintech
Group brand and is not available to purchase from any
other manufacturer.**

Selected Validation Data



1X10⁶ NIH/3T3 cells untreated (dashed lines) or treated with Calyculin A which intracellularly stained with 0.2 ug Coralite® Plus 647 Phospho-NF-Kb P65 (Ser536) Recombinant Antibody (CL647-80379-2, Clone:240777D9)(red), or 0.2 ug Isotype Control (blue). Cells were fixed and permeabilized with Flow Cytometry Phosphorylated Protein Fixation/Permeabilization Kit (PF00026).