

For Research Use Only

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

Catalog Number: 80379-2-RR **8 Publications**



Basic Information

Catalog Number: 80379-2-RR	GenBank Accession Number: BC011603	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 μ g/ml by Nanodrop;	GeneID (NCBI): 5970	CloneNo.: 240777D9
Source: Rabbit	UNIPROT ID: Q04206	Recommended Dilutions: WB 1:2000-1:10000
Isotype: IgG	Full Name: v-rel reticuloendotheliosis viral oncogene homolog A (avian)	
	Calculated MW: 65 kDa	
	Observed MW: 75 kDa	

Applications

Tested Applications: WB, FC (Intra), ELISA	Positive Controls: WB : Calyculin A treated NIH/3T3 cells, Calyculin A treated HeLa cells
Cited Applications: WB	
Species Specificity: human, mouse	
Cited Species: human, mouse, rat	

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
Yinan Li	39775885	Adv Mater	WB
Junchen Pan	39763673	Front Immunol	WB
Guoming Wang	39702495	Cell Death Discov	WB

Storage

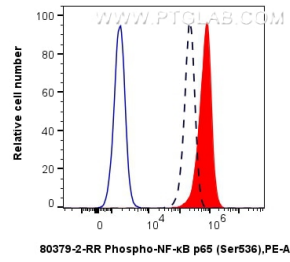
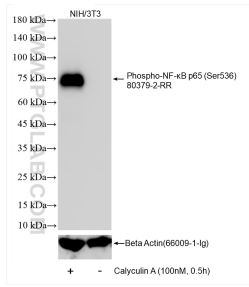
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

***** 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- κ B 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.

1×10^6 untreated or Calyculin A treated PC-3 cells were intracellularly stained with 0.25 μ g Phospho-NF- κ B p65 (Ser536) Recombinant antibody (80379-2-RR, Clone:240777D9) and PE-Conjugated Goat Anti-Rabbit IgG(H+L) (red), or 0.25 μ g Isotype Control (blue), 1×10^6 untreated PC-3 cells were intracellularly stained with 0.25 μ g Phospho-NF- κ B p65 (Ser536) Recombinant antibody (80379-2-RR, Clone:240777D9) and PE-Conjugated Goat Anti-Rabbit IgG(H+L)

