

For Research Use Only

Phospho-NF- κ B p65 (Ser468) Recombinant antibody



Catalog Number: 82335-1-RR **26 Publications**

Basic Information

Catalog Number: 82335-1-RR	GenBank Accession Number: BC011603	Purification Method: Protein A purification
Size: 500 μ g/ml	GeneID (NCBI): 5970	CloneNo.: 6N1
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, ELISA	Positive Controls: WB : Calyculin A treated HeLa cells, Calyculin A treated NIH/3T3 cells
Cited Applications: WB, IF	
Species Specificity: Human, Mouse	
Cited Species: human, rat, mouse, pig	

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
Yu Wang	38467242	Cell Signal	WB
Rumin Huang	38437888	J Ethnopharmacol	WB
Pengfei Dong	38429764	Eur J Med Res	WB

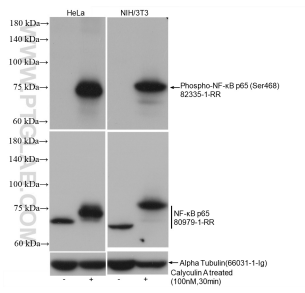
Storage

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

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 various cells were subjected to SDS PAGE followed by western blot with 82335-1-RR (Phospho-NF- κ B p65 (Ser468) antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with Alpha Tubulin antibody (66031-1-Ig) and NF- κ B p65 antibody (80979-1-RR) subsequently.