For Research Use Only

Phospho-NF-κB p65 (Ser468) Recombinant antibody

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Catalog Number:82335-1-RR 29 Publications

Basic Information

Catalog Number:
82335-1-RR

Size:
500 μg/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.:
6N1

Recommended Dilutions:
WB 1:2000-1:10000

Applications

Tested Applications:
WB, ELISA

Cited Applications:
WB, IF, IHC

Species Specificity:
Human, Mouse

Cited Species:
human, rat, mouse, pig

Positive Controls:

WB : Calyculin A treated HeLa cells, Calyculin A treated NIH/3T3 cells

Background Information

Nuclear factor kB (NF-kB) 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.

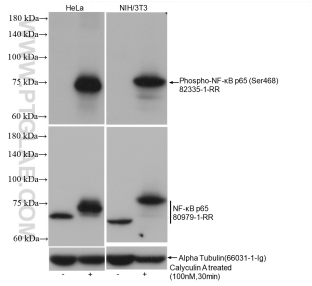
Notable Publications

Author	Pubmed ID	Journal	Application
Danfeng Guo	38581570	Cell Mol Life Sci	WB
Yu Wang	38467242	Cell Signal	WB
Rumin Huang	38437888	J Ethnopharmacol	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

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-κB 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-κB p65 antibody (80979-1-RR) subsequently.