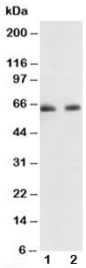
p65 Antibody NF-kB (R30293)

Catalog No.	Formulation	Size
R30293	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide/thimerosal
UniProt	Q04206
Applications	Western blot: 0.5-1ug/ml
Limitations	This p65 antibody is available for research use only.



Western blot testing of p65 antibody and Lane 1: human colon cancer; 2: HeLa lysate. Expected molecular weight ~65 kDa.

Description

The p65 (RELA) heterodimer is the most abundant form of NF-KB. This gene is located on 11q13, which consists of 10 exons and spans about 8.1 kb of DNA. In rat sciatic nerves, the expression of the activated p65 subunit of NFKB was high in the nuclei of premyelinating Schwann cells and then progressively declined until it was nearly absent in adults. The transcriptional activity of NF-kappa-B is stimulated upon phosphorylation of its p65 subunit on serine-276 by protein kinase A(PKA). The transcriptional coactivator CBP/p300 associates with NF-kappa-B through 2 sites, an N-terminal domain that interacts with the C-terminal region of the unphosphorylated protein, and a second domain that only interacts with p65 phosphorylated on serine-276.

Application Notes

The Titration of the p65 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

An amino acid sequence from the N-terminus of human NF-kB p65 (AISQRIQTNNNPFQVP) was used as the immunogen for this p65 antibody (100% homologous in human and rat).

Storage

After reconstitution, the p65 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

Copyright © NSJ Bioreagents. All rights reserved.