Product Information Sheet

Polyclonal Anti-NFκBP65

Catalogue No. PA1125

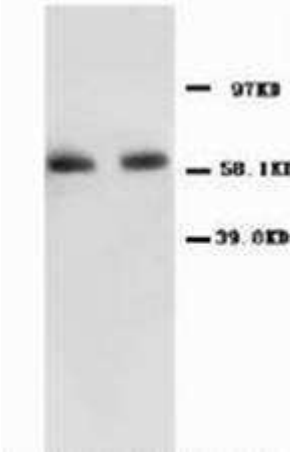
Lot No. 08J01

Ig type: rabbit IgG

Size: 100μg/vial

Specificity
Human
No cross reactivity with other proteins.

Recommended application
Western blot



Immunogen
A synthetic peptide mapping at the N-terminal of human NFκBP65, identical to the related rat and mouse sequence.

Purity
Immunogen affinity purified.

Application
Western blot
At 1μg/ml with the appropriate system to detect NFκBP65 in cells and tissues.
Other applications have not been tested.
Optimal dilutions should be determined by end user.

Contents
Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na_2HPO_4, 0.05mg Thimerosal, 0.05mg NaN_3.

Reconstitution
0.2ml of distilled water will yield a concentration of 500μg/ml.

To reorder contact us at:
Antagene, Inc.
Toll Free: 1(866)964-2589
email: Info@antageneinc.com

Storage
At -20˚C for one year. After reconstitution, at 4˚C for one month. It can also be aliquotted and stored frozen at -20˚C for longer time.

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BACKGROUND

The p65 (RELA) heterodimer is the most abundant form of NFKB. This gene is located on 11q13, which consists of 10 exons and spans about 8.1 kb of DNA[1]. 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[2]. 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 p65 through 2 sites, an N-terminal domain that interacts with the C-terminal region of unphosphorylated p65, and a second domain that only interacts with p65 phosphorylated on serine-276[3].

REFERENCE

1. Deloukas, P.; van Loon, A. P. G. M. : Genomic organization of the gene encoding the p65 subunit of NF-kappa-B: multiple variants of the p65 protein may be generated by alternative splicing. Hum. Molec. Genet. 2: 1895-1900, 1993.
2. Nickols, J. C.; Valentine, W.; Kanwal, S.; Carter, B. D. : Activation of the transcription factor NF-kappa-B in Schwann cells is required for peripheral myelin formation. Nature Neurosci. 6: 161-167, 2003.
3. Zhong, H.; Voll, R. E.; Ghosh, S. : Phosphorylation of NF-kappa B by PKA stimulates transcriptional activity by promoting a novel bivalent interaction with the coactivator CBP/p300. *Molec. Cell* 1: 661-671, 1998.

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