

NFkB p65 Antibody

Catalogue No.:abx012273



Western blot analysis using NF-κB p65 antibody against Jurkat (1), K562 (2) and NIH/3T3 (3) cell lysate.

Transcription factors of the nuclear factor kappa B (NF- kappa B)/Rel family is a ubiquitously expressed transcription factor that regulates many cytokine and Ig genes. It is involved in immune, inflammatory, viral, and acute phase responses. There are five family members in mammals: RelA (p65), c-Rel, RelB, NF- kappa B1 (p105/p50) and NF- kappa B2 (p100/p52). The most studied NF- kappa B complex consists of the p50 and p65 subunits, both containing a 300 amino acid region with homology to the Rel proto-oncogene product. The p50 subunit binds DNA, whereas the p65 subunit is responsible for the interaction of NF- kappa B with its inhibitor, I kappa B. In most cell types, the p50/p65 heterodimer is located within the cytoplasm complexed to I kappa B. This complex prevents nuclear translocation and activity of NF- kappa B. In response to stimuli such as cytokines, LPS, and viral infections, I kappa B is phosphorylated at critical residues. This phosphorylation induces dissociation of the I kappa B/NF- kappa B complex, allowing the free heterodimeric NF- kappa B to form a heterotetramer that translocates to the nucleus. In the nucleus, it binds to the kappa B site within promoters and enhancers and functions as a transcriptional activator.

Target:	NFkB p65
Clonality:	Monoclonal
Reactivity:	Human, Mouse
Tested Applications:	ELISA, WB
Host:	Mouse
Recommended dilutions:	ELISA: 1/10000, WB: 1/500 - 1/2000. Optimal dilutions/concentrations should be determined by the end user.
Conjugation:	Unconjugated
Immunogen:	Purified recombinant fragment of human NF-kB p65 expressed in E. coli.
lsotype:	lgG ₁
Form:	Liquid
Purification:	Unpurified ascites.

Datasheet Version: 5.0.0 Revision date: 23 Mar 2025



Storage:	Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.
UniProt Primary AC:	Q04206 (<u>UniProt</u> , <u>ExPASy</u>)
GenelD:	<u>5970</u>
Molecular Weight:	65 kDa
Buffer:	Ascitic fluid containing 0.03% sodium azide.
Concentration:	Not determined.
Note:	THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.