

Product datasheet for **AP06546PU-N**

NF-kB p65 (RELA) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	Western blot: 1/500-1/1000.
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Synthetic peptide, corresponding to amino acids 470-520 of Human NFkB-p65.
Specificity:	This antibody detects endogenous levels of NFkappaB-p65 protein. (region surrounding Ala499)
Formulation:	Phosphate buffered saline (PBS), pH 7.2 State: Aff - Purified State: Liquid purified Ig fraction Preservative: 15 mM sodium azide
Concentration:	1.0 mg/ml
Purification:	Affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE)
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	~ 60, 75 kDa
Gene Name:	RELA proto-oncogene, NF-kB subunit
Database Link:	<u>Entrez Gene 5970 Human Q04206</u>

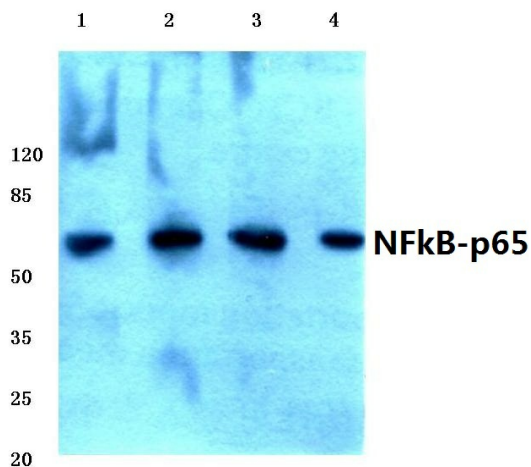
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Background:

p65 is a subunit of the nuclear factor kappa B. The transcription factor NFkB is widely recognized as a critical mediator of immune and inflammatory responses. In most cell types, NFkB is found in the cytoplasm where it is associated with an inhibitory protein known as Ikb. An impressive variety of stimuli (tumor necrosis factor, interleukin 1, T cell activation signals, bacterial endotoxins, viral transforming proteins, certain growth factors and reactive oxygen intermediates) lead to the rapid nuclear accumulation of NFkB by the induced phosphorylation and subsequent degradation of Ikb. In the nucleus, NFkB regulates genes encoding cytokines, cytokine receptors, cell adhesion molecules, proteins involved in coagulation and genes involved in cell growth control. Additionally, NFkB is thought to be an important transcriptional regulator for HIV. Growing evidence indicates that the dysregulation of NFkB may be key to a number of diseases including arthritis and other inflammatory diseases, Alzheimer's disease, atherosclerosis and cancer.

Synonyms:

NF kappa B p65, NFkB p65, Transcription factor p65, Rel A, NFKB3

Product images:


Western blot (WB) analysis of NFkB-p65 (A499) antibody at 1/500 dilution Lane 1:HEK293T whole cell lysate Lane 2:PC12 whole cell lysate Lane 3:Mouse kidney tissue lysate Lane 4:Rat kidney tissue lysate