

Product datasheet for **AP21046PU-N**

NF-kB p65 (RELA) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC
Recommended Dilution:	Western Blot: 1/500 - 1/1000. Immunohistochemistry: 1/50 - 1/200. Immunofluorescence: 1/50 - 1/200.
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Specificity:	NFkB-p65 pAb detects endogenous levels of NFkBp65 protein.
Formulation:	Phosphate buffered saline (PBS) with 15 mM sodium azide, approx. pH 7.2. State: Aff - Purified State: Liquid purified Ig fraction
Concentration:	1,0 mg/ml
Purification:	Affinity chromatography (> 95% (by SDS-PAGE)
Conjugation:	Unconjugated
Storage:	Store the antibody 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.
Gene Name:	RELA proto-oncogene, NF-kB subunit
Database Link:	Entrez Gene 19697 Mouse Entrez Gene 309165 Rat Entrez Gene 5970 Human Q04206



[View online »](#)

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:

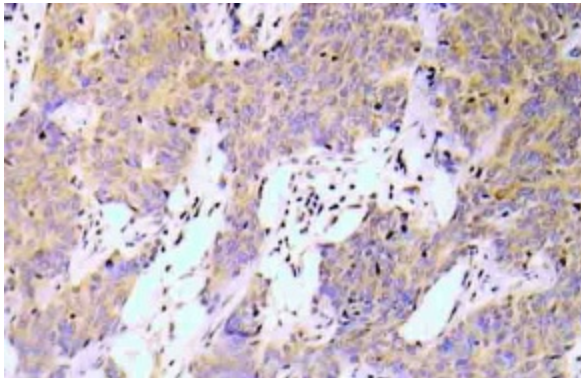
NF kappa B p65, NFkB p65, Transcription factor p65, Rel A, NFkB3

Protein Families:

Druggable Genome, Transcription Factors

Protein Pathways:

Acute myeloid leukemia, Adipocytokine signaling pathway, Apoptosis, B cell receptor signaling pathway, Chemokine signaling pathway, Chronic myeloid leukemia, Cytosolic DNA-sensing pathway, Epithelial cell signaling in Helicobacter pylori infection, MAPK signaling pathway, Neurotrophin signaling pathway, NOD-like receptor signaling pathway, Pancreatic cancer, Pathways in cancer, Prostate cancer, RIG-I-like receptor signaling pathway, Small cell lung cancer, T cell receptor signaling pathway, Toll-like receptor signaling pathway

Product images:

Immunohistochemistry (IHC) analyzes of NFkB-p65 pAb in paraffin-embedded human lung adenocarcinoma tissue.