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Product datasheet for AP01647PU-N

NF-kB p65 (RELA) pSer276 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, IP, WB
Recommended Dilution:	**Western blot:** 1/500-1/1000. **Immunoprecipitation:** 1/50-1/200. **Immunohistochemistry on Paraffin Sections:** 1/50-1/200.
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Specificity:	This antibody detects endogenous levels of NFκB-p65 protein when phosphorylated at Ser276.
Formulation:	Phosphate buffered saline (PBS), pH~7.2 State: Aff - Purified State: Liquid purified Ig fraction (> 95% pure by SDS-PAGE) Preservative: 15 mM sodium azide
Concentration:	1.0 mg/ml
Purification:	Affinity Chromatography using epitope-specific immunogen
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:	Entrez Gene 5970 Human Q04206

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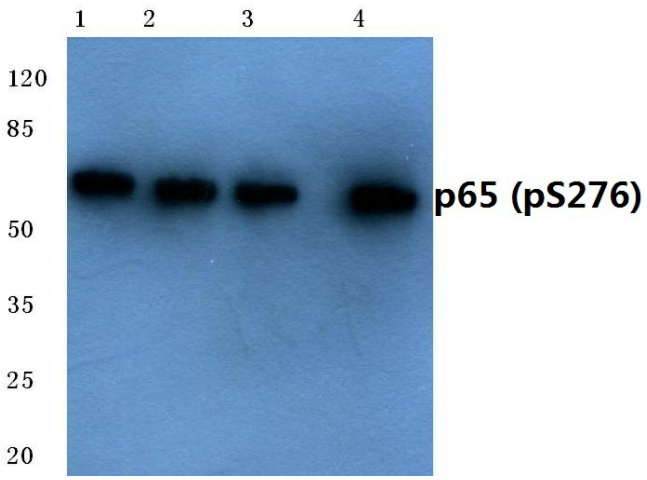
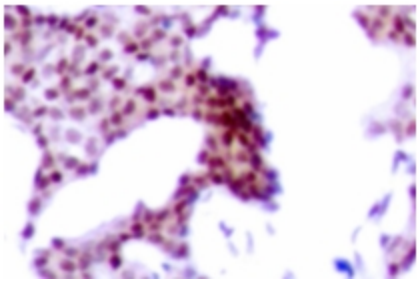
Background: Proteins encoded by the v-Rel viral oncogene and its cellular homolog, c-Rel, are members of a family of transcription factors that include the two subunits of the transcription factor NFκB (p50 and p65) and the Drosophila maternal morphogen, dorsal. Both proteins specifically bind to DNA sequences that are the same or slight variations of the 10 bp κB sequence in the immunoglobulin κ light chain enhancer. This same sequence is also present in a number of other cellular and viral enhancers. The DNA binding activity of NFκB is activated and NFκB is subsequently transported from the cytoplasm to the nucleus in cells exposed to mitogens or growth factors. cDNAs encoding precursors for two distinct proteins have been described, designated p105 and p100. The p105 precursor contains p50 at its amino-terminus and a C-terminal region that when expressed as a separate molecule, designated PDI, binds to p50 and regulates its activity.The NFκB transcription factor is a protein complex consisting of a DNA binding subunit and an associated protein. The DNA binding subunit, also referred to as RelA, is functionally related to c-Rel p75 and RelB p68. NFκB p65 is phosphorylated at Serine 276 as a response to TNF.

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

Product images:



Western blot (WB) analysis of p-NF?B-p65 antibody (Cat.-No.: AP01647PU-N) at 1/500 dilution. Lane 1: Hela cell lysate treated with TNFa, Lane 2: Mouse kidney tissue lysate, Lane 3: PC12 cell lysate treated with UV



Immunohistochemistry analysis of NF?B-p65 pSer276 Antibody (Cat.-No AP01647PU-N) in paraffin-embedded human breast carcinoma tissue.