

## Product datasheet for **AP01648PU-M**

### **NF- $\kappa$ B p65 (RELA) pSer468 Rabbit Polyclonal Antibody**

#### **Product data:**

Product Type:	Primary Antibodies
Applications:	IHC, IP, WB
Recommended Dilution:	<b>Western Blot:</b> 1/500-1/1000. <b>Immunohistochemistry on paraffin sections</b> 1/50-1/200. <b>Immunoprecipitation:</b> 1/50-1/200.
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Specificity:	This antibody detects endogenous levels of NF $\kappa$ B-p65 pSer468 protein.
Formulation:	Phosphate buffered saline (PBS), pH~7.2 containing 0.05% Sodium Azide as preservative. State: Aff - Purified State: Liquid purified Ig fraction (> 95% pure by SDS-PAGE).
Concentration:	1.0 mg/ml
Purification:	Affinity Chromatography using epitope-specific immunogen.
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.
Predicted Protein Size:	~ 60 kDa
Gene Name:	RELA proto-oncogene, NF- $\kappa$ B subunit
Database Link:	<a href="#">Entrez Gene 5970 Human Q04206</a>



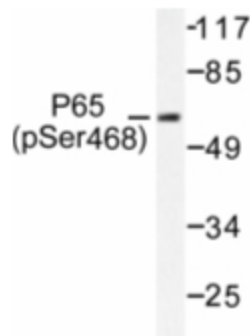
[View online »](#)

**Background:**

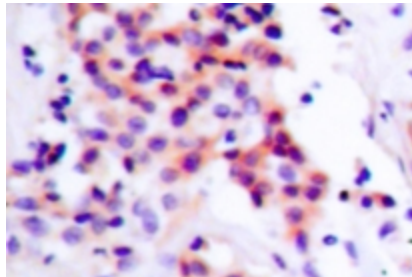
Proteins encoded by the v-Rel viral oncogene and its cellular homolog, c-Rel, are members of a family of transcription factors that include the two subunits of the transcription factor NFκB (p50 and p65) and the Drosophila maternal morphogen, dorsal. Both proteins specifically bind to DNA sequences that 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 rapidly transported from the cytoplasm to the nucleus in cells exposed to mitogens or growth factors. cDNAs encoding precursors for two distinct 50 kDa proteins have been described, designated p105 and p100, respectively. 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.

**Synonyms:**

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

**Product images:**


Western blot (WB) analysis of NFκB-p65 pSer468 Antibody (Cat.-No.: [AP01648PU-N]) in extracts from HeLa cells.



Immunohistochemistry (IHC) analysis of NFκB-p65 pSer468 Antibody (Cat.-No.: [AP01648PU-N]) in paraffin-embedded human breast carcinoma tissue.