

## Product datasheet for **AP07826SU-N**

### **NF-kB p65 (RELA) Rabbit Polyclonal Antibody**

#### **Product data:**

Product Type:	Primary Antibodies
Applications:	ELISA, EMSA, IF, IHC, IP, WB
Recommended Dilution:	<b>ELISA.</b> <b>GS.</b> <b>Immunofluorescence.</b> <b>Immunohistochemistry on Paraffin Sections:</b> 1/500. <b>Immunoprecipitation.</b> <b>Western Blot.</b>
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	NFkB p65 (Rel A) peptide corresponding to a region near the C-terminus of the human protein conjugated to Keyhole Limpet Hemocyanin (KLH).
Formulation:	State: Liquid purified Ig fraction.
Concentration:	lot specific
Purification:	Delipidation and Defibrination.
Conjugation:	Unconjugated
Storage:	Store vial at -20°C prior to opening. For extended storage aliquot contents and freeze at -20°C or below. Centrifuge product if not completely clear after standing at room temperature. Avoid cycles of freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	RELA proto-oncogene, NF-kB subunit
Database Link:	<a href="#">Entrez Gene 5970 Human Q04206</a>



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**Background:**

NFκB was originally identified as a factor that binds to the immunoglobulin kappa light chain enhancer in B cells. It was subsequently found in non-B cells in an inactive cytoplasmic form consisting of NFκB bound to IκB. NFκB was originally identified as a heterodimeric DNA binding protein complex consisting of p65 (RelA) and p50 (NFκB1) subunits. Other identified subunits include p52 (NFκB2), c-Rel, and RelB. The p65, cRel, and RelB subunits are responsible for transactivation. The p50 and p52 subunits possess DNA binding activity but limited ability to transactivate. p52 has been reported to form transcriptionally active heterodimers with the NFκB subunit p65, similar to p50/p65 heterodimers. The heterodimers of p52/p65 and p50/p65 are regulated by physical inactivation in the cytoplasm by IκB-α. IκB-α binds to the p65 subunit, preventing nuclear localization and DNA binding. Low levels of p52 and p50 homodimers can also exist in cells.

**Synonyms:**

NF kappa B p65, NFκB p65, Transcription factor p65, Rel A, NFκB3

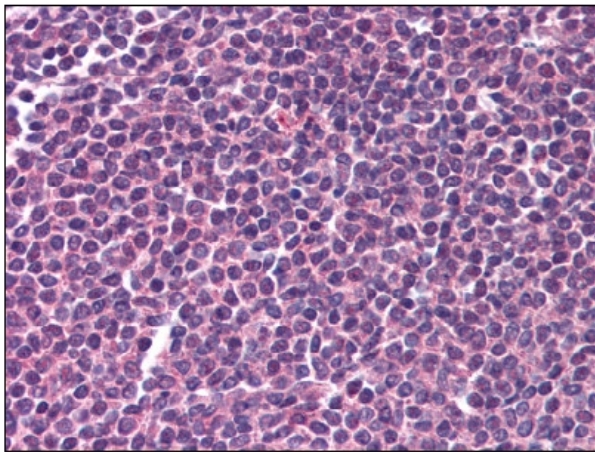
**Product images:**

Figure 1. Staining NFκB3 (RELA) in Spleen by Immunohistochemistry using Formalin-Fixed Paraffin-Embedded (FFPE) tissue.

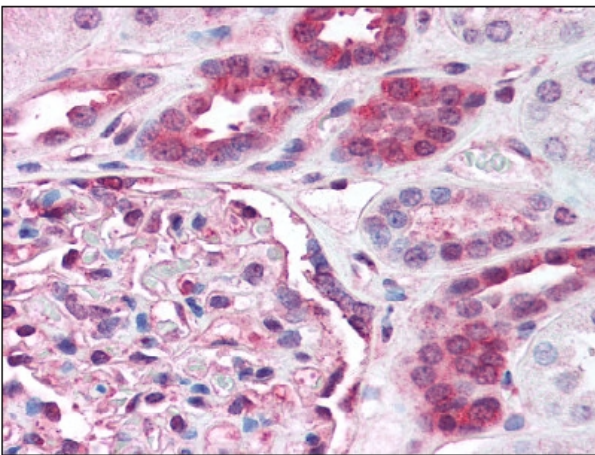


Figure 2. Staining NFκB3 (RELA) in Kidney by Immunohistochemistry using Formalin-Fixed Paraffin-Embedded (FFPE) tissue.