

## Product datasheet for **AP26421AF-L**

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

#### Product data:

Product Type:	Primary Antibodies
Applications:	ELISA
Recommended Dilution:	<b>ELISA:</b> The antibody (approx. 1:50,000 -1:120,000 diluted) can detect the serine 468 phosphorylated NF- $\kappa$ B p65 peptide coated on ELISA plate at 100ng/well.
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	A synthetic peptide derived from Serine 468 phosphorylated NF- $\kappa$ B p65, conjugated with KLH
Specificity:	This antibody is reactive to the synthetic NF- $\kappa$ B -p65 peptide (FTDLASpVDNSE) with Mouse, Human and other species with consensus serine 468 phosphorylated NF- $\kappa$ B -p65 peptide.
Formulation:	State: Azide Free State: Lyophilized Ig fraction
Purification:	Protein G affinity
Conjugation:	Unconjugated
Storage:	Store lyophilized at 2-8°C for 6 month or at -20°C long term. After reconstitution store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C long term. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	RELA proto-oncogene, NF- $\kappa$ B subunit
Database Link:	<a href="#">Entrez Gene 5970 Human Q04206</a>



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**Background:**

NF- $\kappa$ B (nuclear factor kappa-light-chainenhancer of activated B cells) is a transcription factor that controls the transcription of many genes that are associated with immuno-response, antiapoptosis, neuroplasticity and memory. There are five NF- $\kappa$ B proteins in mammals: RelA(NF- $\kappa$ B-p65), RelB, c-Rel, NF- $\kappa$ B (NF- $\kappa$ B-p105), and NF- $\kappa$ B2 (NF- $\kappa$ B-p100). They form a variety of homodimers and heterodimers, each of which activates its own distinctive set of genes. P65 has been shown to be involved with DNA binding. The phosphorylation of p65 at Ser468 is inducible by TNF. The phosphorylation mediates p65 ubiquitination and the termination of related gene expression.

**Synonyms:**

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