

## Product datasheet for **AP26422AF-L**

### **NFKB1 pSer337 Rabbit Polyclonal Antibody**

#### **Product data:**

<b>Product Type:</b>	Primary Antibodies
<b>Applications:</b>	ELISA
<b>Recommended Dilution:</b>	<b>ELISA:</b> The antibody (approx. 1:100,000 - 1:400,000 diluted) can detect the serine 337 phosphorylated NF- $\kappa$ B p105/p50 peptide coated on ELISA plate at 100 ng/well.
<b>Reactivity:</b>	Human, Mouse
<b>Host:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>Immunogen:</b>	A synthetic peptide derived from Serine337 phosphorylated NF- $\kappa$ B p105/p50, conjugated with KLH
<b>Specificity:</b>	This antibody is reactive to the synthetic NF- $\kappa$ B p105/p50 peptide (QLRRKSpDLETSEP) on Mouse, human and other species with consensus serine 337 phosphorylated NF- $\kappa$ B p105/p50 peptide.
<b>Formulation:</b>	0.01M PBS, pH 7.4 State: Azide Free State: Lyophilized Ig fraction
<b>Reconstitution Method:</b>	Restore with double distilled water to adjust the final concentration to 1.00 mg/ml.
<b>Purification:</b>	Protein G affinity
<b>Conjugation:</b>	Unconjugated
<b>Storage:</b>	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.
<b>Stability:</b>	Shelf life: one year from despatch.
<b>Gene Name:</b>	nuclear factor kappa B subunit 1
<b>Database Link:</b>	<a href="#">Entrez Gene 4790 Human P19838</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. Ser468 phosphorylation mediates p65 ubiquitination and the termination of related gene expression.

**Synonyms:**

NFKB1, KBF1, EBP-1, EBP1, NF-kappa-B p50