

Product datasheet for **AP05688PU-N**

NF-kB p65 (RELA) pSer536 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, IHC, WB
Recommended Dilution:	ELISA: 1/500-1/3000. Western Blot: 1/100-1/1000. Detects a band of approximately 65kDa in the appropriate cell lysate. For the detection of phosphoproteins, threonine phosphatase inhibitors such as 10mM Sodium Fluoride should be added to the sample buffer. Milk or other casein-based blocking solutions are not recommended as casein is a phosphoprotein and its use can result in high background. Immunohistochemistry on Paraffin Sections: 1/50-1/250.
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Synthetic peptide corresponding to residues surrounding serine 536 of Human NFkB p65 protein.
Specificity:	This antibody detects the p65 (RelA) subunit of nuclear factor kappa-B (NFkappaB) when phosphorylated at serine 536.
Formulation:	PBS, pH 7.2 containing 0.09% Sodium Azide as preservative State: Purified State: Liquid purified IgG fraction
Concentration:	lot specific
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.
Gene Name:	RELA proto-oncogene, NF-kB subunit
Database Link:	Entrez Gene 5970 Human Q04206



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Background:

NFkappaB is a heterodimeric DNA binding protein which was originally identified consisting of p65 and p50 (NFkB1) subunits. Research has led to the discovery of other subunits, including p52 (NFkappaB2), cRel, and RelB.

NFkappaB is ubiquitously expressed, and functions as a second messenger which upon activation leads to the transcription of a number of genes. NFkappaB is activated by a number of agents, including pro-inflammatory cytokines and bacterial lipopolysaccharide, and is essential for the maturation of T cells and regulation of their survival and activation. Phosphorylation of serine 536 contributes to NFkappaB transactivation and increases p65 transcription activity.

Synonyms:

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