

Product datasheet for **AP07861SU-N**

NFKB1 (N-term) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, EMSA, IF, IHC, IP, WB
Recommended Dilution:	ELISA. GS. Immunofluorescence. Immunohistochemistry on Paraffin Sections: 1/500. Immunoprecipitation. Western Blot: 1/1000.
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Human NFkB p50 (NFKB1) peptide corresponding to a region near the N-terminus of the human protein conjugated to Keyhole Limpet Hemocyanin (KLH).
Specificity:	This antibody detects Nuclear Factor Nf-kappa-b P105 (NFKB1).
Formulation:	State: Liquid purified IgG fraction Preservative: 0.01% (w/v) Sodium Azide
Concentration:	lot specific
Purification:	Delipidation and defibrination.
Conjugation:	Unconjugated
Storage:	Store the antibody (in aliquots) at -20°C. Dilute only prior to immediate use. Avoid cycles of freezing and thawing.
Stability:	Shelf life: One year from despatch.
Gene Name:	nuclear factor kappa B subunit 1
Database Link:	Entrez Gene 4790 Human P19838



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Background:

NFkB 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 NFkB bound to IkB. NFkB was originally identified as a heterodimeric DNA binding protein complex consisting of p65 (RelA) and p50 (NFkB1) subunits. Other identified subunits include p52 (NFkB2), 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 NFkB subunit p65, similar to p50/p65 heterodimers. The heterodimers of p52/p65 and p50/p65 are regulated by physical inactivation in the cytoplasm by IkB-a. IkB-a binds to the p65 subunit, preventing nuclear localization and DNA binding. Low levels of p52 and p50 homodimers can also exist in cells.

Synonyms:

NFkB1, KBF1, EBP-1, EBP1, NF-kappa-B p50

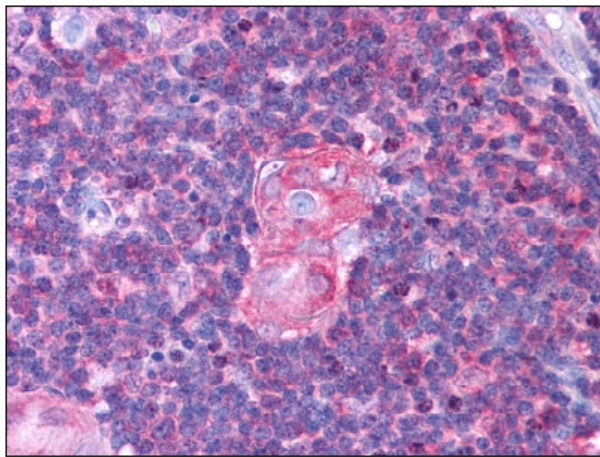
Product images:

Figure 1. Staining NFkB1 in Thymus by Immunohistochemistry using Formalin-Fixed Paraffin-Embedded (FFPE) tissue.