



## Mouse anti-Human NFKB1 polyclonal antibody (DPAB-DC2025)

This product is for research use only and is not intended for diagnostic use.

### PRODUCT INFORMATION

<b>Antigen Description</b>	This gene encodes a 105 kD protein which can undergo cotranslational processing by the 26S proteasome to produce a 50 kD protein. The 105 kD protein is a Rel protein-specific transcription inhibitor and the 50 kD protein is a DNA binding subunit of the NF-kappa-B (NFKB) protein complex. NFKB is a transcription regulator that is activated by various intra- and extra-cellular stimuli such as cytokines, oxidant-free radicals, ultraviolet irradiation, and bacterial or viral products. Activated NFKB translocates into the nucleus and stimulates the expression of genes involved in a wide variety of biological functions. Inappropriate activation of NFKB has been associated with a number of inflammatory diseases while persistent inhibition of NFKB leads to inappropriate immune cell development or delayed cell growth. Two transcript variants encoding different isoforms have been found for this gene.
<b>Immunogen</b>	NFKB1 (AAH51765, 860 a.a. ~ 969 a.a) partial recombinant protein with GST tag. The sequence is  MDNYEVSGGTVRELVEALRQMGYTEAIEVIQAASSPVKTTSQAHSLPLSPASTRQQIDEL RDSDSVCDSGVETSRKLSFTESLTSGASLLTLNKMPHDYQQEGPLEGKI
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Human
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB (Recombinant protein), ELISA,
<b>Size</b>	50 µl
<b>Buffer</b>	50 % glycerol
<b>Preservative</b>	None

**Storage**

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

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## GENE INFORMATION

<b>Gene Name</b>	<a href="#">NFKB1 nuclear factor of kappa light polypeptide gene enhancer in B-cells 1 [ Homo sapiens (human) ]</a>
<b>Official Symbol</b>	NFKB1
<b>Synonyms</b>	NFKB1; nuclear factor of kappa light polypeptide gene enhancer in B-cells 1; p50; KBF1; p105; EBP-1; NF-kB1; NFKB-p50; NFkappaB; NF-kappaB; NFKB-p105; NF-kappa-B; nuclear factor NF-kappa-B p105 subunit; NF-kappabeta; DNA binding factor KBF1; DNA-binding factor KBF1; nuclear factor NF-kappa-B p50 subunit; nuclear factor kappa-B DNA binding subunit;
<b>Entrez Gene ID</b>	<a href="#">4790</a>
<b>Protein Refseq</b>	<a href="#">NP_001158884</a>
<b>UniProt ID</b>	<a href="#">A0A024RDJ4</a>
<b>Chromosome Location</b>	4q24
<b>Pathway</b>	AGE/RAGE pathway; Activation of NF-kappaB in B cells; Adaptive Immune System; Alternative NF-kappaB pathway
<b>Function</b>	double-stranded DNA binding; heat shock protein binding; nucleic acid binding transcription factor activity; protein binding

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