



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

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

PRODUCT INFORMATION

Antigen Description	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.
Immunogen	NFKB1 (AAH51765, 860 a.a. ~ 969 a.a) partial recombinant protein with GST tag. The sequence is MDNYEVSGGTVRELVEALRQMGYTEAIEVIQAASSPVKTTTQAHSLPLSPASTRQQIDEL RDSDSVCDSGVETSFRKLSFTESLTSGASLLTLNKMPhDYGQEGPLEGKI
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Recombinant protein), ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None

Storage

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

GENE INFORMATION

Gene Name	NFKB1 nuclear factor of kappa light polypeptide gene enhancer in B-cells 1 [Homo sapiens (human)]
Official Symbol	NFKB1
Synonyms	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;
Entrez Gene ID	4790
Protein Refseq	NP_001158884
UniProt ID	A0A024RDJ4
Chromosome Location	4q24
Pathway	AGE/RAGE pathway; Activation of NF-kappaB in B cells; Adaptive Immune System; Alternative NF-kappaB pathway
Function	double-stranded DNA binding; heat shock protein binding; nucleic acid binding transcription factor activity; protein binding