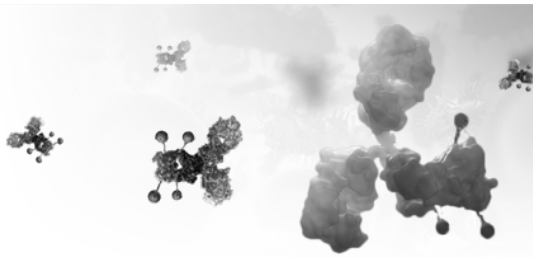

Human NFKB1 blocking peptide (CDBP2033)

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

PRODUCT INFORMATION

Product Overview	NF - kB p50 (C - term) peptide (human)
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. [provided by RefSeq, Sep 2009]
Species	Human
Conjugate	Unconjugated
Applications	BL
Format	Liquid
Concentration	0.2 mg/ml
Size	100 µg
Buffer	PBS with 100ug BSA 0.1% sodium azide
Preservative	0.1% Sodium Azide
Storage	Keep as concentrated solution, aliquot and store at 4°C.

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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
mRNA Refseq	NM_001165412.1
Protein Refseq	NP_001158884.1
UniProt ID	P19838
Chromosome Location	4q24
Pathway	AGE/RAGE pathway, organism-specific biosystem; Activated TLR4 signalling, organism-specific biosystem; Activation of NF-kappaB in B Cells, organism-specific biosystem; Acute myeloid leukemia, organism-specific biosystem; Acute myeloid leukemia, conserved biosystem; Adaptive Immune System, organism-specific biosystem; Adipocytokine signaling pathway, organism-specific biosystem; Adipocytokine signaling pathway, conserved biosystem; Alternative NF-kappaB pathway, organism-specific biosystem; Amoeb
Function	double-stranded DNA binding; heat shock protein binding; nucleic acid binding transcription factor activity; protein binding; protein homodimerization activity; regulatory region DNA binding; sequence-specific DNA binding transcription factor activity; tr

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