



Anti-NFkB p52 (RABBIT) Antibody - 100-4185

Code: 100-4185

Size: 100 µL

Product Description: Anti-NFkB p52 (RABBIT) Antibody - 100-4185

Concentration: 90 mg/mL by Refractometry

PhysicalState: Liquid (sterile filtered)

Label	Unconjugated
Host	Rabbit
Gene Name	NFkB1
Species Reactivity	human
Buffer	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Stabilizer	None
Preservative	0.01% (w/v) Sodium Azide
Storage Condition	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Synonyms	NFkB, nfkb, NF-kB, NF-kappaB, NFkappaB
Application Note	<p>This product was assayed by immunoblot and found to be reactive against Human NFkB2 p52 at a dilution of 1:1000 followed by reaction with Peroxidase conjugated Affinity Purified anti-Rabbit IgG [H&L] (Goat) code #611-1302. Anti- Human NFkB2 p52 is suitable for the detection by immunoblot of Human NFkB2 p52 and its precursor protein p100. Cross reactivity with p52 from other species may occur but has not been specifically determined. Reactivity in supershift assays has not been determined. This product was assayed by immunoblot and found to be reactive against Human NFkB2 p52 at a dilution of 1:1000 followed by reaction with Peroxidase conjugated Affinity Purified anti-Rabbit IgG [H&L] (Goat) code #611-1302. Anti- Human NFkB2 p52 is suitable for the detection by immunoblot of Human NFkB2 p52 and its precursor protein p100. Cross reactivity with p52 from other species may occur but has not been specifically determined. Reactivity in supershift assays has not been determined. This product was assayed by immunoblot and found to be reactive against Human NFkB2 p52 at a dilution of 1:1000 followed by reaction with Peroxidase conjugated Affinity Purified anti-Rabbit IgG [H&L] (Goat) code #611-1302. Anti- Human NFkB2 p52 is suitable for the detection by immunoblot of Human NFkB2 p52 and its precursor protein p100. Cross reactivity with p52 from other species may occur but has not been specifically determined. Reactivity in supershift assays has not been determined.</p>
Background	<p>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 an inhibitor called 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.</p>
Purity And Specificity	<p>This product was prepared from monospecific antiserum by delipidation and defibrination. Anti-Human NFkB2 p52 may react non-specifically with other proteins. Control peptide (code #100-4185p) will compete only with the specific reaction of antiserum with Human NFkB2 p52.</p>
Assay Dilutions	User Optimized
ELISA	1:5,000 - 1:25,000
WESTERN BLOT	1:500 - 1:3,000
OTHER ASSAYS	User Optimized
Expiration	Expiration date is one (1) year from date of opening.
Immunogen	Human NFkB2 p52/p100 peptide corresponding to aa residue 1-19 the human protein conjugated to Keyhole Limpet Hemocyanin (KLH).
General Reference	Wang, Y., et al. (2002) NFPRIVATE "TYPE=PICT;ALT=kappa"B2 p100 is a pro-apoptotic protein with anti-oncogenic function. Nature Cell Biol. 4:11;888-893.
Related Products	

100-401-264	Anti-NFKB p65 (Rel A) pS276 (RABBIT) Antibody - 100-401-264
100-401-401	Anti-AKT (RABBIT) Antibody - 100-401-401
100-4164	Anti-NFKB p50 (NFKB1) (RABBIT) Antibody - 100-4164
100-4165N	Anti-NFKB p65 (Rel A) N-TERMINAL SPECIFIC (RABBIT) Antibody - 100-4165N

Related Links

NCBI	http://www.ncbi.nlm.nih.gov/protein/CAB94757.1
NCBI - CAB94757.1	http://www.ncbi.nlm.nih.gov/protein/CAB94757.1
UniProt - P19838	http://www.uniprot.org/uniprot/P19838
Gene ID - 4790	http://www.ncbi.nlm.nih.gov/gene/4790

Disclaimer

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