



NFKB cRel Peptide - 100-4166P

Code: 100-4166P

Size: 50 µg

Product Description: NFKB cRel Peptide - 100-4166P

Concentration: 1.0 mg/mL by dry weight

PhysicalState: Liquid (sterile filtered)

Label	Unconjugated
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 peptide, cRel peptide, Nuclear factor NF-kappa-B p105 subunit, DNA-binding factor KBF1, EBP-1 antibody, control peptide, blocking peptide
Application Note	Control peptide should be used at 1.0 µg per 1.0 µl of antiserum in per assay.
Background	Intended for use as a control peptide when used with anti-NFB cRel to block specific interaction of anti-NFB cRel (p/n 100-4166) with the NFB cRel subunit. 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 IκB. 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 IκB-α. IκB-α binds to the p65 subunit, preventing nuclear localization and DNA binding. Low levels of p52 and p50 homodimers can also exist in cells.
Purity And Specificity	Greater than 95% specific peptide
Assay Dilutions	Control peptide should be used at 1.0 µg per 1.0 µl of antiserum per assay.
Other Assays	Control peptide should be used at 1.0 µg per 1.0 µl of antiserum per assay.
Expiration	Expiration date is six (6) months from date of opening.
Related Products	
100-401-264	Anti-NFKB p65 (Rel A) pS276 (RABBIT) Antibody - 100-401-264
100-401-266	Anti-NFKB p65 (Rel A) pS529 (RABBIT) Antibody - 100-401-266
100-4164	Anti-NFKB p50 (NFKB1) (RABBIT) Antibody - 100-4164
100-4165	Anti-NFKB p65 (Rel A) (RABBIT) Antibody - 100-4165

Disclaimer

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