

## Anti-NF-kB p65/RELA Antibody Picoband® Biotin Conjugated

Catalog Number: PB9087-Biotin

### About RELA

Transcription factor p65, also known as NFKB3 or NF-kB p65, is a protein that in humans is encoded by the RELA gene. It is mapped to 11q13.1. NFKB is an essential transcription factor complex involved in all types of cellular processes, including cellular metabolism, chemotaxis, etc, and it may play a role in inflammatory conditions of the peripheral nervous system. Phosphorylation and acetylation of NFKB3 are crucial post-translational modifications required for NFKB activation. It has also been shown to modulate immune responses, and activation of NFKB3 is positively associated with multiple types of cancer. In addition to that, NFKB3 antagonizes TNFR1-JNK proliferative signals in epidermis and plays a nonredundant role in restraining epidermal growth.

### Overview

Product Name	Anti-NF-kB p65/RELA Antibody Picoband® Biotin Conjugated
Reactive Species	Human
Application	WB, IHC, ELISA
Clonality	Polyclonal
Formulation	Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na2HPO4, 0.02% NaN3.
Storage Instructions	At -20°C for one year from date of receipt. Avoid repeated freezing and thawing.
Host	Rabbit
Uniprot ID	Q04206

### Technical Details

Immunogen	E.coli-derived human NF-kB p65 recombinant protein (Position: F99-S551). Human NF-kB p65 shares 86% amino acid (aa) sequence identity with mouse NF-kB p65.
Cross Reactivity	No cross-reactivity with other proteins
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5 mg/mL
Purification	Immunogen affinity purified.
Conjugate	Biotin
Suggested Dilutions	Western blot, Optimal dilutions should be determined by end users.

Immunohistochemistry (Paraffin-embedded Section), Optimal dilutions should be determined by end users.  
ELISA, Optimal dilutions should be determined by end users.

## 46 Publications Citing This Product

1. PubMed ID: 34125329, Tibatan MA, Öney Uçar E. Long non-coding RNA NKILA regulates expression of HSP90alpha, NF-kappaB and beta-catenin proteins in the MCF-7 breast cancer cell line. Mol Biol Rep. 2021 Jun 14. doi:10.1007/s11033-021-06482-y. Epub ahead of print. PMID: 34125329.
2. PubMed ID: 33602046, Lv Q, Xia Q, Li A, Wang Z. The Potential Role of IL1RAP on Tumor Microenvironment-Related Inflammatory Factors in Stomach Adenocarcinoma. Technol Cancer Res Treat. 2021 Jan-Dec;20: 1533033821995282. doi:10.1177/1533033821995282. PMID: 33602046.
3. PubMed ID: 27413418, Hydrogen Sulfide Mitigates Kidney Injury in High Fat Diet-Induced Obese Mice

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