# RELA, ID (RELA, NFKB3, Transcription factor p65, Nuclear factor NF-kappa-B p65 subunit, Nuclear factor of kappa light polypeptide gene enhancer in B Cells 3) (FITC)

### Catalog number

040949-FITC

### Supplier

United States Biological

NFKB1 (MIM 164011) or NFKB2 (MIM 164012) is bound to REL (MIM 164910), RELA, or RELB (MIM 604758) to form the NFKB complex. The p50 (NFKB1)/p65 (RELA) heterodimer is the most abundant form of NFKB. The NFKB complex is inhibited by I-kappa-B proteins (NFKBIA, MIM 164008 or NFKBIB, MIM 604495), which inactivate NFKB by trapping it in the cytoplasm. Phosphorylation of serine residues on the I-kappa-B proteins by kinases (IKBKA, MIM 600664, or IKBKB, MIM 603258) marks them for destruction via the ubiquitination pathway, thereby allowing activation of the NFKB complex. Activated NFKB complex translocates into the nucleus and binds DNA at kappa-B-binding motifs such as 5-prime GGGRNNYYCC 3-prime or 5-prime HGGARNYYCC 3-prime (where H is A, C, or T; R is an A or G purine; and Y is a C or T pyrimidine).

### Applications

Suitable for use in Western Blot, FLISA

### Recommended Dilution

FLISA: 1:1,000
Western Blot: 1:100-500

### Storage and Stability

Store product at 4°C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and store at -20°C. Aliquots are stable at -20°C for 12 months after receipt. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: FITC conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.

### Note

Applications are based on unconjugated antibody.

### Immunogen

RELA antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 166-195 amino acids from the Central region of human RELA.

### Formulation

Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Fluorescein isothiocyanate (FITC).

### Purity

Purified by Protein A affinity chromatography.

**Specificity**

Human

**Product Type**

Pab

**Source**

human

**Isotype**

IgG

**Grade**

Affinity Purified

**Applications**

FLISA WB

**Crossreactivity**

Hu

**Storage**

-20°C

**Detection Method**

FITC

**Reference**

Pan, W.W., et al. J. Biol. Chem. 285(45):34348-34354(2010)
Tago, K., et al. J. Biol. Chem. 285(40):30622-30633(2010)
Park, J.S., et al. Oncol. Rep. 24(3):709-714(2010)
Yu, Z.H., et al. Xi Bao Yu Fen Zi Mian Yi Xue Za Zhi 26(7):650-652(2010)
Rohwer, N., et al. PLoS ONE 5 (8), E12038 (2010) :