Product Datasheet

NF-kB p65 Antibody

Catalog No: CY5034 Reactivity: Human, Mouse

Isotype: Rabbit IgG Applications: WB IHC ICC/IF IP FC

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Information

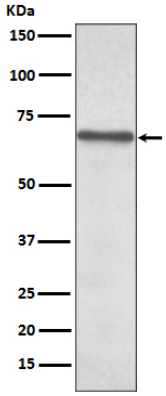
UniProt ID: Q04206
All Names: NFKB3; Transcription factor p65; p65; Nuclear factor NF-kappa-B p65 subunit, RELA; TF65
Form: Liquid
Storage instructions: Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer: pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purity: Affinity-chromatography
Immunogen: A synthesized peptide
Molecular Wt.: 65 kDa

Application

WB: 1:5000~1:10000
IHC: 1:50~1:100
ICC/IF: 1:50~1:100

Background

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).



Western blot analysis of NF-kB p65 expression in HeLa cell lysate.