

Anti-Phospho- NF kappaB p65 (Ser536) Antibody

CATALOG NO: 1590-100 100 µg

ALTERNATIVE NAMES: Avian reticuloendotheliosis viral (v rel) oncogene homolog A; NF kappa B p65delta3; NFKB3; Nuclear Factor NF Kappa B p65 Subunit; Nuclear factor NF-kappa-B p65 subunit; Nuclear factor of kappa light polypeptide gene enhancer in B cells 3; Nuclear factor of kappa light polypeptide gene enhancer in B-cells 3

CONCENTRATION: 1 mg/ml

IMMUNOGEN: A synthesized peptide derived from human NF- kappaB p65 around the phosphorylation site of Serine 536

HOST/ISOTYPE: Rabbit IgG

CLONALITY: Polyclonal

MOL WEIGHT: 61 kDa

SPECIES REACTIVITY: Human, Mouse, Rat

PURIFICATION: Affinity purification

FORM: Liquid

FORMULATION: Supplied in phosphate buffered saline, pH 7.4, 150 mM NaCl, 0.02% sodium azide and 50% glycerol

STORAGE CONDITIONS: For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles

DESCRIPTION: NF-kappa-B is a pleiotropic transcription factor present in almost all cell types and is the endpoint of a series of signal transduction events that are initiated by a vast array of stimuli related to many biological processes such as inflammation, immunity, differentiation, cell growth, tumorigenesis and apoptosis. NF-kappa-B is a homo- or heterodimeric complex formed by the Rel-like domain-containing proteins RELA/p65, RELB, NFKB1/p105, NFKB1/p50, REL and NFKB2/p52 and the heterodimeric p65-p50 complex appears to be most abundant one. The dimers bind at kappa-B sites in the DNA of their target genes and the individual dimers have distinct preferences for different kappa-B sites that they can bind with distinguishable affinity and specificity. NF-kappa-B is controlled by various mechanisms of post-translational modification and subcellular compartmentalization as well as by interactions with other cofactors or corepressors.

APPLICATION: WB 1:500-1:2000 IHC 1:50-1:500 IP 1:100-1:500 IF 1 : 200, ELISA (peptide) 1:20000-1:40000

Note: This information is only intended as a guide. The optimal dilutions must be determined by the user.

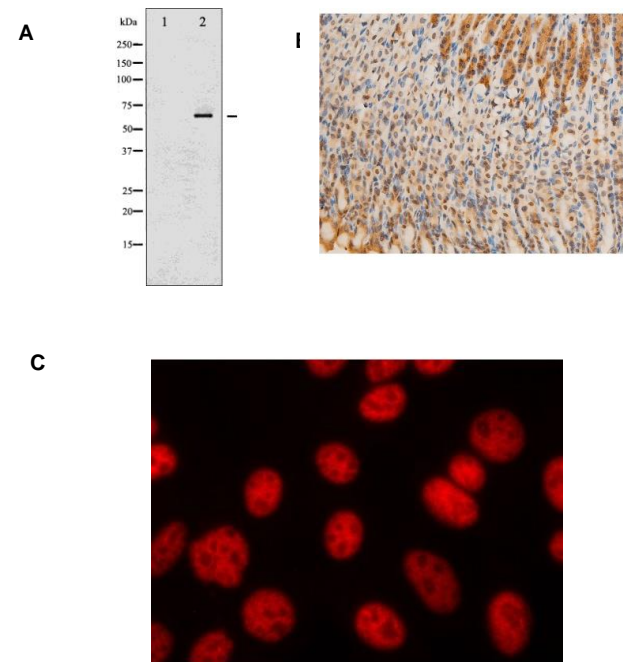


Fig. A. Western blot analysis of NF kappaB p65 phosphorylation expression in IL-1 treated Raw264.7 whole cell lysates. The lane on the left is treated with the antigen-specific peptide.

Fig. B Immunohistochemical analysis of formalin-fixed, paraffin-embedded mouse gastric tissue sections stained with Anti- Phospho-NF kappaB p65 (Ser536) Antibody

Fig. C. Immunofluorescence analysis of Phospho- NF kappaB p65 (Ser536) Antibody in HeLa cells

RELATED PRODUCTS:

- NFkB p50 Polyclonal Antibody (Cat. No. 3354)
- NIK Antibody (Cat. No. 3193)
- NFkB p65 Antibody (Clone 2A12A7) (Cat. No. 3012)
- NFkB p65 Antibody (Cat. No. 3038)
- NF-κB p65 (Human) Transcription Factor Activity Assay Kit (Cat. No. E4330)

FOR RESEARCH USE ONLY! Not to be used on humans.