

NFKB1 Polyclonal Antibody

Catalog Number:E-AB-63486

Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description

Reactivity	Human
Immunogen	Recombinant fusion protein of human NFKB1 (NP_001158884.1).
Host	Rabbit
Isotype	IgG
Purification	Affinity purification
Conjugation	Unconjugated
Formulation	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

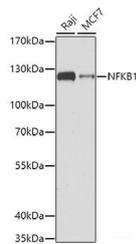
Applications Recommended Dilution

WB 1:500-1:1000 IHC

1:50-1:200 IF

1:20-1:100

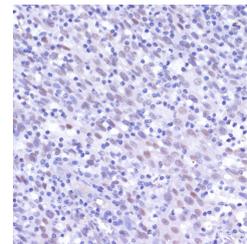
Data



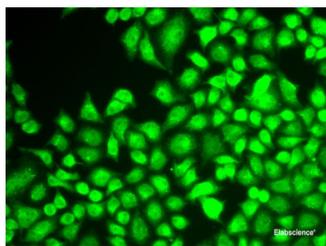
Western blot analysis of extracts of various cell lines using NFKB1 Polyclonal Antibody at dilution of 1:1000.

Observed Mw:120kDa

Calculated Mw:85kDa/105kDa



Immunohistochemistry of paraffin-embedded Human tonsil using NFKB1 Polyclonal Antibody at dilution of 1:200 (40x lens).



Immunofluorescence analysis of MCF7 cells using NFKB1 Polyclonal Antibody

Preparation & Storage

Storage Store at -20°C. Avoid freeze / thaw cycles.

Background

This gene encodes a 105 kD protein which can undergo cotranslational processing by the 26S proteasome to produce a 50 kD protein. The 105 kD protein is a Rel protein-specific transcription inhibitor and the 50 kD protein is a DNA binding

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subunit of the NF-kappa-B (NFKB) protein complex. NFKB is a transcription regulator that is activated by various intra- and extra-cellular stimuli such as cytokines, oxidant-free radicals, ultraviolet irradiation, and bacterial or viral products. Activated NFKB translocates into the nucleus and stimulates the expression of genes involved in a wide variety of biological functions. Inappropriate activation of NFKB has been associated with a number of inflammatory diseases while persistent inhibition of NFKB leads to inappropriate immune cell development or delayed cell growth. Alternative splicing results in multiple transcript variants encoding different isoforms, at least one of which is proteolytically processed.

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