

NFKB1 Rabbit Polyclonal Antibody

Catalog No: #53221



Package Size: #53221-1 50ul #53221-2 100ul

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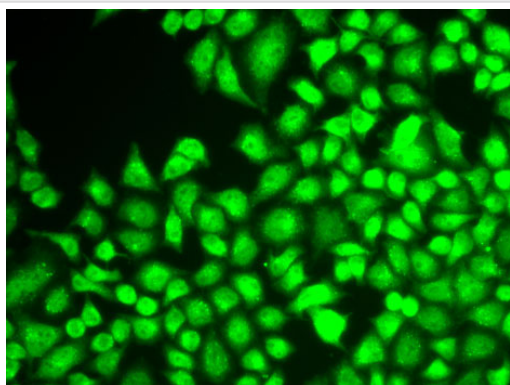
Description

Product Name	NFKB1 Rabbit Polyclonal Antibody
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Affinity purification
Applications	WB;IHC;IF;IP
Species Reactivity	Human
Immunogen Description	Recombinant fusion protein of human NFKB1 (NP_001158884.1).
Conjugates	Unconjugated
Other Names	NFKB1;CVID12;EBP-1;KBF1;NF-kB1;NF-kappa-B;NF-kappaB;NFKB-p105;NFKB-p50;NFkappaB;p105;p50
Accession No.	Swiss Prot:P19838GenelD:4790
Calculated MW	85kDa/105kDa
SDS-PAGE MW	120kDa
Formulation	Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.
Storage	Store at -20°C. Avoid freeze / thaw cycles.

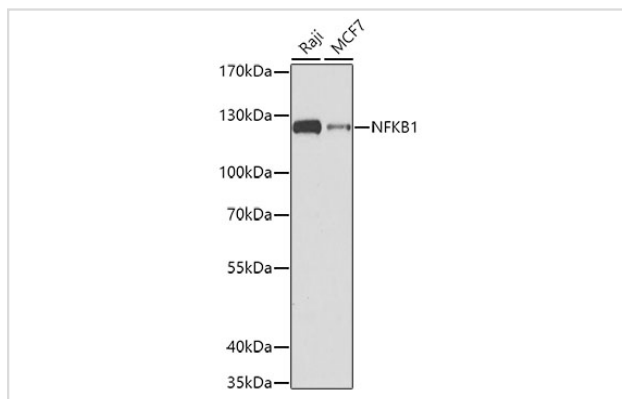
Application Details

WB 1:500-1:2000; IHC 1:100-1:300; IF 1:50-1:500; IP 1:25-100

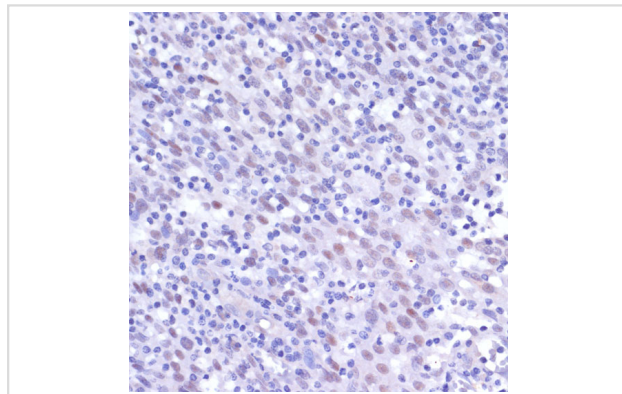
Images



Immunofluorescence analysis of MCF7 cells using NFKB1 .



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



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

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 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.

Published Papers

Sijing Liu;Kai Li;Changhai Long;Mingwu Lao;Biao Ma;Changquan Liu;Haoyuan He;Chunjiang Wang;Wangzhu Chen;Bin Yu et al., The role of FTO in m6A RNA methylation and immune regulation in Staphylococcus aureus infection-related osteomyelitis., , (2025)

[PMID:39980685](https://pubmed.ncbi.nlm.nih.gov/39980685/)

Note: This product is for in vitro research use only and is not intended for use in humans or animals.