

NFKB1 Rabbit pAb

Catalog No.: A11160

1 Publications

Basic Information

Observed MW

120kDa

Calculated MW

105kDa

Category

Primary antibody

Applications

ELISA, WB, IHC-P, IF/ICC, IP

Cross-Reactivity

Human

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. NFKB is a critical regulator of the immediate-early response to viral infection. Alternative splicing results in multiple transcript variants encoding different isoforms, at least one of which is proteolytically processed.

Recommended Dilutions

WB	1:100 - 1:500
IHC-P	1:50 - 1:200
IF/ICC	1:20 - 1:100
IP	0.5µg-4µg antibody for 200µg-400µg extracts of whole cells

Immunogen Information

Gene ID

4790

Swiss Prot

P19838

Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 740-964 of NFKB1 (NP_001158884.1).

Synonyms

KBF1; EBP-1; NF-kB; CVID12; NF-kB1; NFKB-p50; NFkappaB; NF-kappaB; NFKB-p105; NF-kappa-B1; NF-kappabeta; NFKB1

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

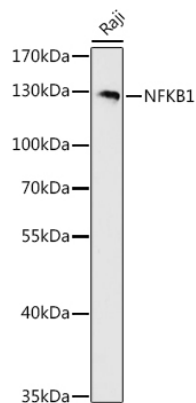
Affinity purification

Storage

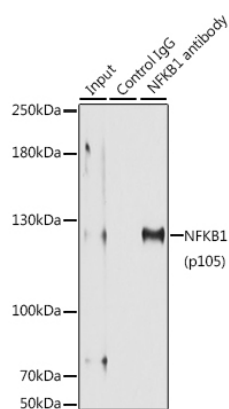
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.01% thimerosal, 50% glycerol, pH7.3.

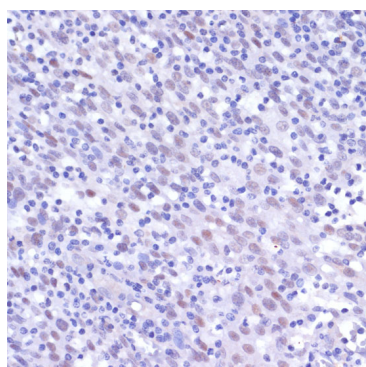
Validation Data



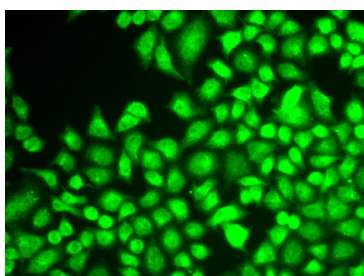
Western blot analysis of lysates from Raji cells, using NFKB1 Rabbit pAb (A11160) at 1:500 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 180s.



Immunoprecipitation analysis of 150 µg extracts of MCF-7 cells using 3 µg NFKB1 antibody (A11160).
Western blot was performed from the immunoprecipitate using NFKB1 antibody (A11160) at a dilution of 1:500.



Immunohistochemistry analysis of NFKB1 in paraffin-embedded human tonsil using NFKB1 Rabbit pAb (A11160) at dilution of 1:200 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.



Immunofluorescence analysis of MCF7 cells using NFKB1 Rabbit pAb (A11160). Secondary antibody: Cy3 Goat Anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution.