

Product datasheet for **TA379088S**

NFKB1 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, ICC/IF, IHC, IP, WB
Recommended Dilution:	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 ELISA, Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.
Reactivity:	Human
Modifications:	Unmodified
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Formulation:	Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH 7.3.
Concentration:	lot specific
Purification:	Affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C. Avoid freeze / thaw cycles.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	105kDa
Gene Name:	nuclear factor kappa B subunit 1
Database Link:	Entrez Gene 4790 Human P19838



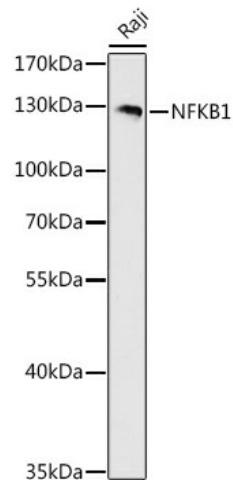
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Background:

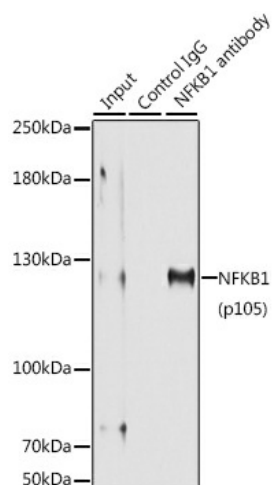
This gene encodes a 105 kD protein which can undergo cotranslational processing by the 26S proteasome to produce a 50 kD protein. The 105 kD protein is a Rel protein-specific transcription inhibitor and the 50 kD protein is a DNA binding subunit of the NF-kappa-B (NFKB) protein complex. NFKB is a transcription 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.

Synonyms:

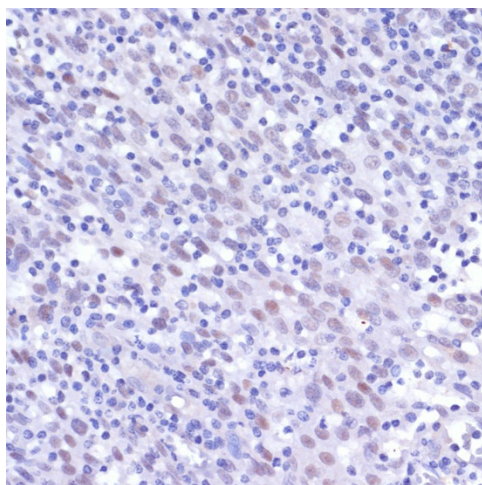
DKFZp686C01211; EBP-1; KBF1; MGC54151; NF-kappa-B; NF-kappaB; NF-kappabeta; NFKB-p50; NFKB-p105; p50; p105

Product images:


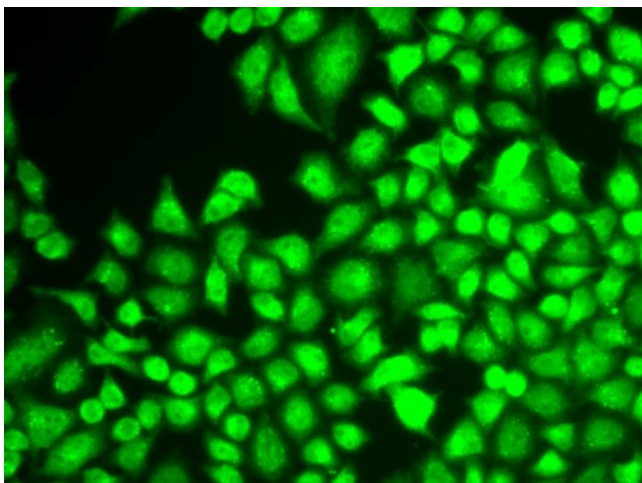
Western blot analysis of lysates from Raji cells



Immunoprecipitation analysis of 150 µg extracts of MCF-7 cells using 3 µg NFKB1 antibody ([TA379088]). Western blot was performed from the immunoprecipitate using NFKB1 antibody ([TA379088]) at a dilution of 1:500.



Immunohistochemistry analysis of paraffin-embedded Human tonsil using NFKB1 Rabbit pAb ([TA379088]) at dilution of 1:200 (40x lens). Microwave antigen retrieval performed with 0.01M PBS Buffer (pH 7.2) prior to IHC staining.



Immunofluorescence analysis of MCF7 cells using NFKB1 Rabbit pAb ([TA379088]). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution.