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Datasheet for ABIN3043587

anti-NFKB1 antibody (AA 1-360)

3 Images

12 Publications

Overview

Quantity:	100 µg
Target:	NFKB1
Binding Specificity:	AA 1-360
Reactivity:	Human, Rat
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Purpose:	Rabbit IgG polyclonal antibody for Nuclear factor NF-kappa-B p105 subunit(NFKB1) detection. Tested with WB, IHC-P in Human,Rat.
Immunogen:	E.coli-derived human NFkB p105/P50 recombinant protein (Position: M1-Q360). Human NFkB p105/P50 shares 93% amino acid (aa) sequence identity with mouse NFkB p105/P50.
Isotype:	IgG
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	Rabbit IgG polyclonal antibody for Nuclear factor NF-kappa-B p105 subunit(NFKB1) detection. Tested with WB, IHC-P in Human,Rat. Gene Name: nuclear factor of kappa light polypeptide gene enhancer in B-cells 1 Protein Name: Nuclear factor NF-kappa-B p105 subunit
Purification:	Immunogen affinity purified.

Target Details

Target: NFKB1

Alternative Name: NFKB1 ([NFKB1 Products](#))

Background: Nuclear factor NF-kappa-B p105 subunit, also called EBP-1 is a protein that in humans is encoded by the NFKB1 gene. By fluorescence in situ hybridization, the gene was assigned to human chromosome 4q24. NFKB1 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. NFKB1 appears to have dual functions such as cytoplasmic retention of attached NFKB1 proteins by p105 and generation of p50 by a cotranslational processing.

Synonyms: DKFZp686C01211 antibody|DNA binding factor KBF1 antibody|DNA binding factor KBF1 EBP1 antibody|DNA-binding factor KBF1 antibody|EBP 1 antibody|EBP-1 antibody|EBP1 antibody|KBF1 antibody|MGC54151 antibody|NF kappa B antibody|NF kappaB antibody|NF kappabeta antibody|NF kB1 antibody|NFkappaB antibody|NFKB 1 antibody|NFKB p105 antibody|NFKB p50 antibody|NFKB1 antibody|NFKB1_HUMAN antibody|Nuclear factor kappa B DNA binding subunit antibody|Nuclear factor kappa-B, subunit 1 antibody|Nuclear factor NF kappa B p105 subunit antibody|Nuclear factor NF kappa B p50 subunit antibody|Nuclear factor NF-kappa-B p50 subunit antibody|Nuclear factor of kappa light polypeptide gene enhancer in B cells 1 antibody|Nuclear factor of kappa light polypeptide gene enhancer in B-cells 1 antibody|p105 antibody|p50 antibody|p84/NF-kappa-B1 p98 antibody

Gene ID: 4790

UniProt: [P19838](#)

Pathways: [p53 Signaling](#), [NF-kappaB Signaling](#), [RTK Signaling](#), [TCR Signaling](#), [TLR Signaling](#), [Fc-epsilon Receptor Signaling Pathway](#), [Neurotrophin Signaling Pathway](#), [Activation of Innate immune Response](#), [Myometrial Relaxation and Contraction](#), [Regulation of Carbohydrate Metabolic Process](#), [Hepatitis C](#), [Toll-Like Receptors Cascades](#), [BCR Signaling](#), [S100 Proteins](#)

Application Details

Application Notes: WB: Concentration: 0.1-0.5 µg/mL, Tested Species: Human, Rat, The detection limit for NFKB p105/P50 is approximately 0.25 ng/lane under reducing conditions.
IHC-P: Concentration: 0.5-1 µg/mL, Tested Species: Human, Epitope Retrieval by Heat: Boiling the paraffin sections in 10 mM citrate buffer, pH 6.0, for 20 mins is required for the staining of

Application Details

formalin/paraffin sections.

Notes: Tested Species: Species with positive results. Other applications have not been tested.

Optimal dilutions should be determined by end users.

Comment: Antibody can be supported by chemiluminescence kit ABIN921124 in WB, supported by ABIN921231 in IHC(P).

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.

Concentration: 500 µg/mL

Buffer: Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na₂HPO₄, 0.05 mg Sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: Avoid repeated freezing and thawing.

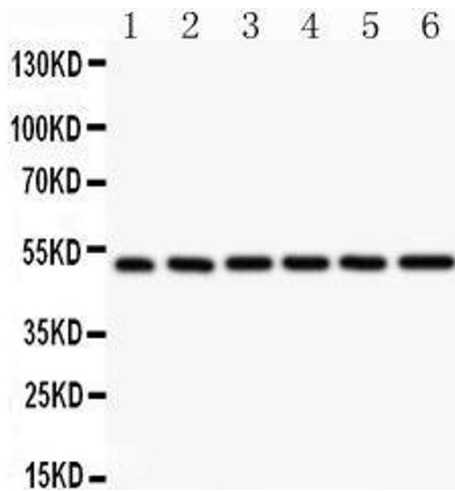
Storage: 4 °C/-20 °C

Storage Comment: At -20°C for one year. After reconstitution, at 4°C for one month.
It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.

Publications

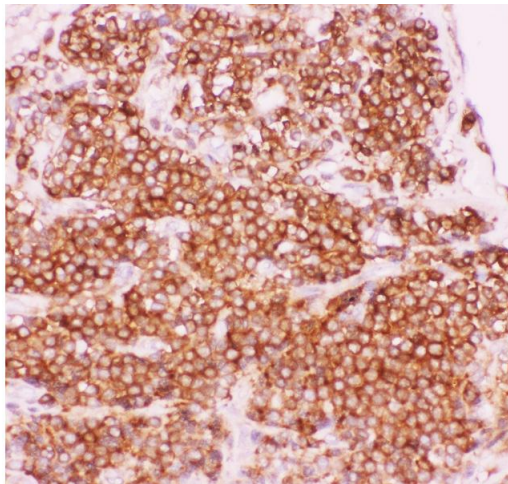
Product cited in: Xu, Tang, Li, Shi, Chen, Liang: "Positional and expressive alteration of prohibitin during the induced differentiation of human hepatocarcinoma SMMC-7721 cells." in: **World journal of gastroenterology**, Vol. 14, Issue 32, pp. 5008-14, (2008) ([PubMed](#)).

There are more publications referencing this product on: [Product page](#)



Western Blotting

Image 1. Observed bind size: 50KD



Immunohistochemistry

Image 2. Anti-NFkB p105/P50 Picoband antibody, IHC(P): Human Lung Cancer Tissue



Western Blotting

Image 3. Anti-NFkB p105/P50 Picoband antibody, All lanes: Anti NFKBP105 at 0.5ug/ml WB: Recombinant Human NFKBP105 Protein 0.5ng Predicted bind size: 40KD Observed bind size: 40KD