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# anti-NFKB2 antibody (AA 1-340)



**Images** 



**Publications** 



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Quantity:	100 μg
Target:	NFKB2
Binding Specificity:	AA 1-340
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NFKB2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))
Product Details	
Purpose:	Rabbit IgG polyclonal antibody for Nuclear factor NF-kappa-B p100 subunit(NFKB2) detection.  Tested with WB, IHC-P in Human, Mouse, Rat.
Immunogen:	E.coli-derived human NFkB p100/p52 recombinant protein (Position: M1-R340). Human NFkB p100/p52 shares 96% amino acid (aa) sequence identity with mouse NFkB p100/p52.
Isotype:	IgG
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	Rabbit IgG polyclonal antibody for Nuclear factor NF-kappa-B p100 subunit(NFKB2) detection.
	Tested with WB, IHC-P in Human, Mouse, Rat.  Gene Name: nuclear factor of kappa light polypeptide gene enhancer in B-cells 2 (p49/p100)  Protein Name: Nuclear factor NF-kappa-B p100 subunit

## **Target Details**

Target:	NFKB2		
Alternative Name:	NFKB2 (NFKB2 Products)		
Background:	NFKB2, also known as nuclear factor NF-kappa-B p100 subunit, is a protein that in humans is		
	encoded by the NFKB2 gene. It is mapped to 10q24.32. This gene encodes a subunit of the		
	transcription factor complex nuclear factor-kappa-B (NFKB). NFKB is activated by a wide variety		
	of stimuli such as cytokines, oxidant-free radicals, inhaled particles, ultraviolet irradiation, and		
	bacterial or viral products. The NFkB complex is expressed in numerous cell types and		
	functions as a central activator of genes involved in inflammation and immune function. The		
	protein encoded by this gene can function as both a transcriptional activator or repressor		
	depending on its dimerization partner.		
	Synonyms: DNA binding factor KBF2 antibody DNA-binding factor KBF2 antibody H2TF1		
	antibody Lymphocyte translocation chromosome 10 antibody Lymphocyte translocation		
	chromosome 10 protein antibody Lyt 10 antibody Lyt10 antibody NF kB2 antibody NFKB2		
	antibody NFKB2_HUMAN antibody Nuclear factor NF kappa B p100 subunit antibody Nuclear		
	factor NF kappa B p52 subunit antibody Nuclear factor NF-kappa-B p52 subunit		
	antibody Nuclear factor of kappa light chain gene enhancer in B cells 2 antibody Nuclear factor		
	of kappa light polypeptide gene enhancer in B cells 2 antibody Nuclear factor of kappa light		
	polypeptide gene enhancer in B-cells 2 antibody Oncogene Lyt 10 antibody Oncogene Lyt-10		
	antibody p105 antibody p49/p100 antibody		
Gene ID:	4791		
UniProt:	Q00653		
Pathways:	Toll-Like Receptors Cascades		
Application Details			
Application Notes:	WB: Concentration: 0.1-0.5 μg/mL, Tested Species: Human, The detection limit for NFkB		
	p100/p52 is approximately 0.25 ng/lane under reducing conditions.		
	IHC-P: Concentration: 0.5-1 μg/mL, Tested Species: Human, Mouse, Rat, 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 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		

## **Application Details**

	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:	Jia, Ma, Lv, Ma, Xu, Yang, Tian, Wang, Sun, Xu, Fu, Zhao: "Oestrogen and parathyroid hormone alleviate lumbar intervertebral disc degeneration in ovariectomized rats and enhance Wnt/β-catenin pathway activity." in: <b>Scientific reports</b> , Vol. 6, pp. 27521, (2018) (PubMed).		
	Jia, Jiang, Liu, Wang, Zhu, Zhu, Liu, Zhong, Xie, Huang, Jia, Li, Liu, Zuo, Cheng, Dai, Ren: "Effects of three-dimensional collagen scaffolds on the expression profiles and biological functions of glioma cells." in: <b>International journal of oncology</b> , Vol. 52, Issue 6, pp. 1787-1800, (2018) (PubMed).		
	Ding, Teng, Fan, Zhao: "The Association Between Modic Changes of Lumbar Endplates and Spontaneous Absorption of Herniated Intervertebral Discs." in: <b>Cell biochemistry and biophysics</b> , Vol. 71, Issue 3, pp. 1357-63, (2016) (PubMed).		

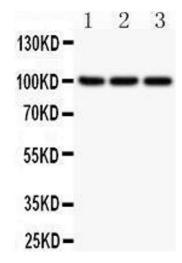
Yan, Tian, Wang, Cheng, Xu, Song, Zhang, Zhang: "Age dependent changes in cartilage matrix,

subchondral bone mass, and estradiol levels in blood serum, in naturally occurring osteoarthritis in Guinea pigs." in: **International journal of molecular sciences**, Vol. 15, Issue 8, pp. 13578-95, (2015) (PubMed).

Xu, Zhang, Xu, Guo, Wang, Wu, Wang, Luo, Zhou: "Antiphotoaging effect of conditioned medium of dedifferentiated adipocytes on skin in vivo and in vitro: a mechanistic study." in: **Stem cells and development**, Vol. 24, Issue 9, pp. 1096-111, (2015) (PubMed).

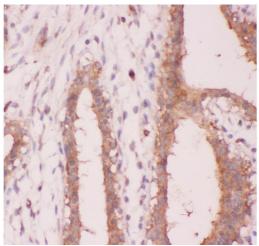
There are more publications referencing this product on: Product page

#### **Images**



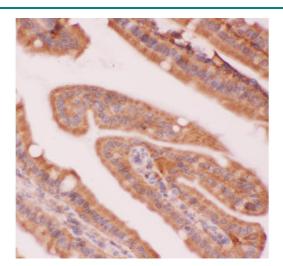
#### **Western Blotting**

Image 1. Anti-NFkB p100 Picoband antibody, All lanes: Anti NFKBP100 at 0.5ug/ml Lane 1: JURKAT Whole Cell Lysate at 40ug Lane 2: A549 Whole Cell Lysate at 40ug Lane 3: MCF-7 Whole Cell Lysate at 40ug Predicted bind size: 100KD Observed bind size: 100KD



#### **Immunohistochemistry**

Image 2. Anti-NFkB p100 Picoband antibody, IHC(P): Human Mammary Cancer Tissue



#### Immunohistochemistry

**Image 3.** Anti-NFkB p100 Picoband antibody, IHC(P): Mouse Intestine Tissue

Please check the product details page for more images. Overall 6 images are available for ABIN3043293.