



Datasheet for ABIN3021668
anti-NFKBIA antibody (AA 1-317)



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5 Images

8 Publications

Overview

Quantity:	100 µL
Target:	NFKBIA
Binding Specificity:	AA 1-317
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NFKBIA antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 1-317 of human IkappaBalpha (NP_065390.1).
Sequence:	MFQAAERPQE WAMEGPRDGL KKERLLDDRH DSGLDSMKDE EYEQMVKELQ EIRLEPQEVV RGSEPWKQQL TEDGDSFLHL AIIHEEKALT MEVIRQVKGD LAFLNFQNNL QQTPLHLAVI TNQPEIAEAL LGAGCDPELR DFRGNTPLHL ACEQGCLASV GVLTQSCTTP HLHSILKATN YNGHTCLHLA SIHGYLEGIVE LLVSLGADV N AQEPCNGRTA LHLAVDLQNP DLVSLLLKCG ADVNRVITYQG YSPYQLTWGR PSTRIQQQLG QLTLENLQML PESEDEESYD TESEFTEFTE DELPYDDCVF GGQRRTL
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies

Target Details

Target:	NFKBIA
Alternative Name:	NFKBIA (NFKBIA Products)
Background:	<p>This gene encodes a member of the NF-kappa-B inhibitor family, which contain multiple ankrin repeat domains. The encoded protein interacts with REL dimers to inhibit NF-kappa-B/REL complexes which are involved in inflammatory responses. The encoded protein moves between the cytoplasm and the nucleus via a nuclear localization signal and CRM1-mediated nuclear export. Mutations in this gene have been found in ectodermal dysplasia anhidrotic with T-cell immunodeficiency autosomal dominant disease.,IKBA,MAD-3,NFKBI,IkB alpha,NFKBIA,EDAID2,Epigenetics & Nuclear Signaling,Transcription Factors,Cancer,Signal Transduction,MAPK-Erk Signaling Pathway,Cell Biology & Developmental Biology,Apoptosis,Inhibition of Apoptosis,Death Receptor Signaling Pathway,Immunology & Inflammation,B Cell Receptor Signaling Pathway,T Cell Receptor Signaling Pathway,NF-kB Signaling Pathway,Toll-like Receptor Signaling Pathway,Cell Intrinsic Innate Immunity Signaling Pathway,TLR Signaling,NFKBIA</p>
Molecular Weight:	35 kDa
Gene ID:	4792
UniProt:	P25963
Pathways:	NF-kappaB Signaling , TCR Signaling , TLR Signaling , Fc-epsilon Receptor Signaling Pathway , Activation of Innate immune Response , Cellular Response to Molecule of Bacterial Origin , Maintenance of Protein Location , Hepatitis C , Protein targeting to Nucleus , Toll-Like Receptors Cascades , BCR Signaling

Application Details

Application Notes:	WB,1:500 - 1:2000
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which

Handling

should be handled by trained staff only.

Handling Advice: Avoid freeze / thaw cycles

Storage: -20 °C

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

Publications

Product cited in: He, Zhao, Anees, Li, Ashraf, Chen, Song, Chen, Cao, Ye: "p21-Activated Kinase 4 Signaling Promotes Japanese Encephalitis Virus-Mediated Inflammation in Astrocytes." in: **Frontiers in cellular and infection microbiology**, Vol. 7, pp. 271, (2018) ([PubMed](#)).

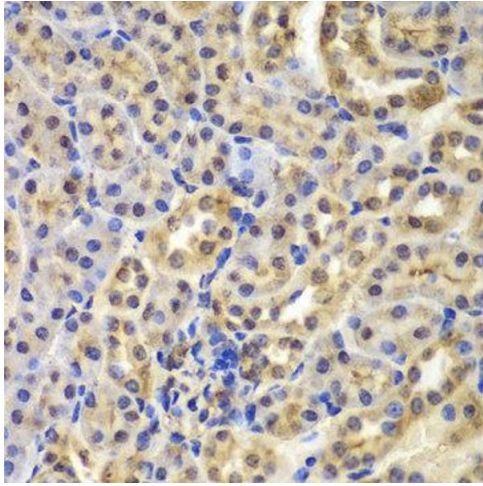
Dong, Liu, Meng, Liu, Bi, Wu, Jin, Yao, Tang, Wang, Li, Zhang, Yu, Zhan, Chen, Ge, Yang, Li: "Keratin 8 limits TLR-triggered inflammatory responses through inhibiting TRAF6 polyubiquitination." in: **Scientific reports**, Vol. 6, pp. 32710, (2018) ([PubMed](#)).

Li, Xu, Rao, Li, Zhang, Jiang, Wu: "Mechanism of Apoptosis Induction by Mycoplasmal Nuclease MGA_0676 in Chicken Embryo Fibroblasts." in: **Frontiers in cellular and infection microbiology**, Vol. 8, pp. 105, (2018) ([PubMed](#)).

Ding, Huang, Chen, Tang, Wang, Fan, Huang: "Regulator of G-protein signalling 5 deficiency impairs ventricular remodelling after myocardial infarction by promoting NF-κB and MAPK signalling in mice." in: **Biochemical and biophysical research communications**, Vol. 499, Issue 2, pp. 143-149, (2018) ([PubMed](#)).

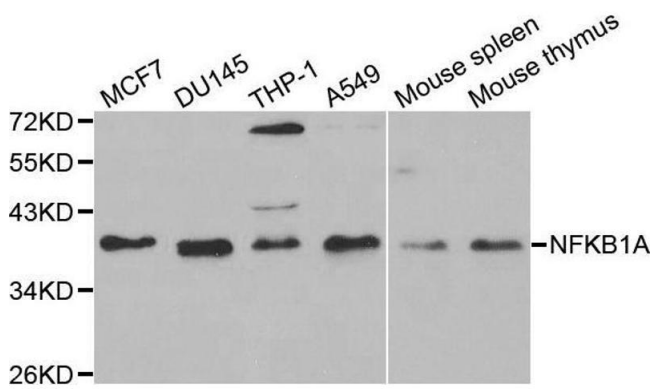
Li, Zhang, Zhu, Ashraf, Chen, Xu, Zhou, Zheng, Song, Chen, Ye, Cao: "Microarray Analysis Identifies the Potential Role of Long Non-Coding RNA in Regulating Neuroinflammation during Japanese Encephalitis Virus Infection." in: **Frontiers in immunology**, Vol. 8, pp. 1237, (2017) ([PubMed](#)).

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



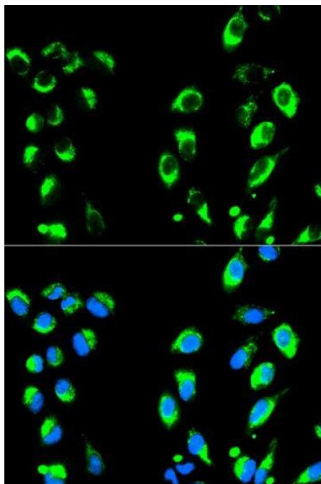
Immunohistochemistry

Image 1.



Western Blotting

Image 2. Western blot analysis of extracts of various cell lines, using NFKB1A antibody.



Immunofluorescence

Image 3. Immunofluorescence analysis of HeLa cell using NFKB1A antibody. Blue: DAPI for nuclear staining.

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN3021668.