Datasheet for ABIN2792665

anti-NFKBIA antibody (N-Term)

3 Images

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Overview

Quantity:	100 µL
Target:	NFKBIA
Binding Specificity:	N-Term
Reactivity:	Human, Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NFKBIA antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human NFKBIA
Sequence:	MFQAAERPQE WAMEGPRDGL KKERLLDDRH DSGLDSMKDE EYEQMVKELQ
Cross-Reactivity:	Human, Pig (Porcine)
Predicted Reactivity:	Human: 100%, Pig: 76%
Characteristics:	This is a rabbit polyclonal antibody against NFKBIA. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	NFKBIA
Alternative Name:	NFKBIA / IKBA (NFKBIA Products)
Background:	NFKB1 or NFKB2 is bound to REL, RELA, or RELB to form the NFKB complex. The NFKB complex is inhibited by I-kappa-B proteins (NFKBIA or NFKBIB), which inactivate NF-kappa-B by trapping it in the cytoplasm. Phosphorylation of serine residues on the I-kappa-B proteins by kinases (IKBKA, or IKBKB) marks them for destruction via the ubiquitination pathway, thereby allowing activation of the NF-kappa-B complex. Activated NFKB complex translocates into the nucleus and binds DNA at kappa-B-binding motifs such as 5-prime GGGRNNYYCC 3-prime or 5-prime HGGARNYYCC 3-prime (where H is A, C, or T, R is an A or G purine, and Y is a C or T pyrimidine). Alias Symbols: IKBA, MAD-3, NFKBI Protein Interaction Partner: BTRC, NEDD9, IKBKB, CHUK, UBC, MTOR, IKBKG, SKP1, FBXW11, UBE2D3, RELA, NPLOC4, VCP, UFD1L, NFKB1, TNF, SUMO1, UBE2D1, COPS3, GPS1, SUMO3, Csnk2b, PRKCA, ST7, STAT1, REL, POLR2C, CD7, ARRB2, ARRB1, SUMO2, PSMA1, ZNF212, IKZF4, ATF4, TBK1, IKBKE, DNAJA3, S Protein Size: 317
Molecular Weight:	36 kDa
Gene ID:	4792
NCBI Accession:	NM_020529, NP_065390
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:	Optimal working dilution should be determined by the investigator.
Comment:	Antigen size: 317 AA
Restrictions:	For Research Use only

Handling

Format:	Liquid

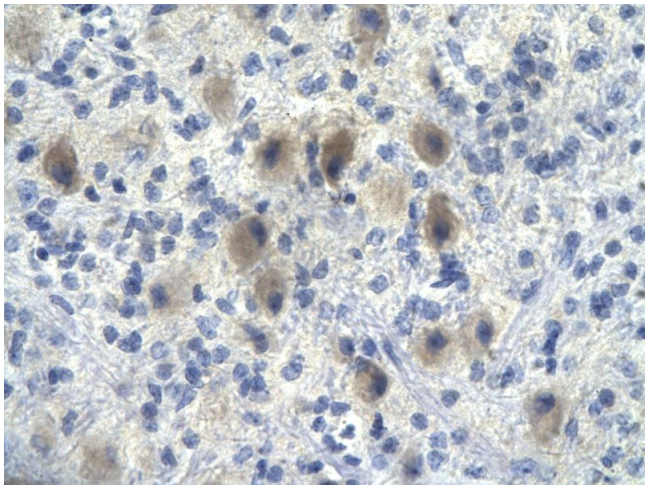
Handling

Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
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 freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images

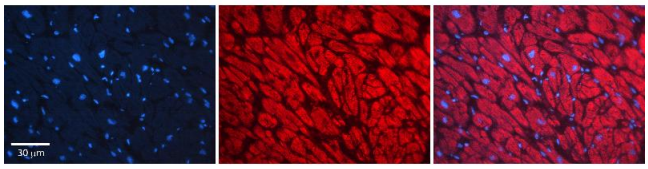
Western Blotting

Image 1. WB Suggested Anti-NFKBIA Antibody Titration: 0.2-1 ug/ml Positive Control: Human Lung



Immunohistochemistry

Image 2. Rabbit Anti-NFKBIA antibody Paraffin Embedded Tissue: Human Brain cell Cellular Data: Epithelial cells of renal tubule Antibody Concentration: 4.0-8.0 ug/ml Magnification: 400X



Immunohistochemistry

Image 3. Rabbit Anti-NFKBIA Antibody Formalin Fixed Paraffin Embedded Tissue: Human heart Tissue Observed Staining: Cytoplasmic Primary Antibody Concentration: N/A Other Working Concentrations: 1:600 Secondary Antibody: Donkey anti-Rabbit-Cy3 Secondary Antibody Concentration: 1:200 Magnification: 20X Exposure Time: 0.5 - 2.0 sec

