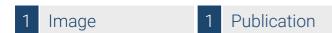


Datasheet for ABIN2792116

anti-NFKBIA antibody (N-Term)





Go to Product page

U	V	er	~V	le	W

Overview	
Quantity:	100 μL
Target:	NFKBIA
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Cow, Pig, Sheep, Dog
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NFKBIA antibody is un-conjugated
Application:	Western Blotting (WB)
Product Details	
Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human NFKBIA
Sequence:	FQAAERPQEW AMEGPRDGLK KERLLDDRHD SGLDSMKDEE YEQMVKELQE
Predicted Reactivity:	Cow: 100%, Dog: 100%, Human: 100%, Mouse: 100%, Pig: 100%, Rat: 100%, Sheep: 100%
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
raryet.	INFRDIA

Alternative Name:	NFKBIA (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, MIM 604495), which inactivate
	NF-kappa-B by trapping it in the cytoplasm. Phosphorylation of serine residues on the I-kappa-E
	proteins by kinases (IKBKA, MIM 600664, or IKBKB, MIM 603258) 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).NFKB1 (MIM 164011) or NFKB2
	(MIM 164012) is bound to REL (MIM 164910), RELA (MIM 164014), or RELB (MIM 604758) to
	form the NFKB complex. The NFKB complex is inhibited by I-kappa-B proteins (NFKBIA or
	NFKBIB, MIM 604495), which inactivate NF-kappa-B by trapping it in the cytoplasm.
	Phosphorylation of serine residues on the I-kappa-B proteins by kinases (IKBKA, MIM 600664,
	or IKBKB, MIM 603258) 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).[supplied by OMIM]. Publication Note: This RefSeq record includes a subset of the
	publications that are available for this gene. Please see the Entrez Gene record to access
	additional publications.
	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:	35 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 dilutions should be determined experimentally by the investigator.	
Comment:	Antigen size: 317 AA	
Restrictions:	For Research Use only	
Handling		
Format:	Liquid	
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.	
Publications		
Product cited in:	Truhlar, Mathes, Cervantes, Ghosh, Komives: "Pre-folding IkappaBalpha alters control of NF-kappaB signaling." in: Journal of molecular biology , Vol. 380, Issue 1, pp. 67-82, (2008) (PubMed).	

90 kDa__ 65 kDa__ 40 kDa__ 31 kDa__ 22 kDa__

Western Blotting

Image 1. WB Suggested Anti-NFKBIA Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:62500 Positive Control: Human Liver