

Rabbit IkBa (NFKB1A) Polyclonal Antibody | anti-IkBa (NFKB1A) antibody

Rabbit anti IkBa Polyclonal antibody

CATALOG # AAA71433	HOST Rabbit	REACTIVITY Human, Rat, Mouse, Bovine, Chicken, Dog	APPLICATIONS Immunohistochemistry, Western Blot, ELISA
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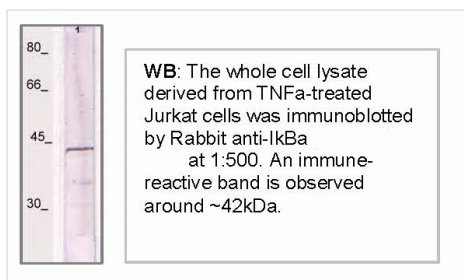
PRODUCT SYNONYMS

IkBa (NFKB1A); Polyclonal Antibody; Rabbit anti IkBa Polyclonal antibody; Rabbit anti-IkBa; I kappa B alpha; IkBa; IkappaBalpa; MAD3.; anti-IkBa (NFKB1A) antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Rat, Mouse, Bovine, Chicken, Dog
Clonality	Polyclonal
Specificity	This antibody recognizes ~42 kDa of human IkBa. This antibody also reacts with rat and mouse. The other species are not tested.
Purity/Purification	The Rabbit IgG is purified by Site-specific Epitope Affinity Purification.
Form/Format	This affinity purified antibody is supplied in sterile Phosphatebuffered saline (pH7.2) containing antibody stabilizer
Concentration	Size: 100 ug/200 ul (varies by lot)
Applicable Applications for anti-IkBa (NFKB1A) antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA
Antigen Preparation	A synthetic peptide corresponding to the N-terminus of human IkBalpa protein. This sequence is identical within human, mouse, rat, dog and bovine.
Positive Control	TNFa-treated Jurkat cells
Preparation and Storage	The antibodies are stable for 12 months from date of receipt when stored at -20 degree C to -70 degree C. The antibodies can be stored at 2 degree C-8 degree C for three month without detectable loss of activity. Avoid repeated freezing-thawing cycles.

IMAGES



Application Data

ADDITIONAL INFORMATION

Related Product Information for anti-IkBa (NFKB1A) antibody	There are six members in the IκB family, in which IκBa is first protein induced by NF-κB activation. NF-κB is silenced in the cytoplasm by an inhibitory protein, IκB. Synthesis of IκBa is autoregulated. IκB proteins are phosphorylated by IκB kinase complex consisting of at least three proteins, IKK1/α, IKK2/β, and IKK3/γ. External stimuli such as TNF or other cytokines initiates a signal transduction cascade that leads to the activation of IκB-kinase complex that specifically phosphorylates IκBa on Serine-32 and Serine-36. Phosphorylation of these sites leads to ubiquitination of IκBa and subsequent degradation by the 26 S proteasome.
References	Carole Kretz-Remy, et al. Inhibition of IκB-α Phosphorylation and Degradation and Subsequent NF-κB Activation by Glutathione Peroxidase Overexpression. (1996) The Journal of Cell Biology, 133 (5), 1083-1093.

NCBI AND UNIPROT INFORMATION

NCBI GI #	6706211
NCBI GeneID	4792
UniProt Accession #	P25963; B2R8L6; Q9UGJ5
Molecular Weight	~42 kDa
NCBI Official Full Name	IκBa
NCBI Official Synonym Full Names	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, alpha
NCBI Official Symbol	NFKBIA
NCBI Official Synonym Symbols	IKBA; MAD-3; NFKBI
NCBI Protein Information	NF-kappa-B inhibitor alpha; iκB-α; IκappaBaIpha; I-kappa-B-α; OTTHUMP00000178842; nuclear factor of kappa light chain gene enhancer in B-cells; major histocompatibility complex enhancer-binding protein MAD3
UniProt Protein Name	NF-kappa-B inhibitor alpha
UniProt Gene Name	NFKBIA
UniProt Synonym Gene Names	IKBA; MAD3; NFKBI
UniProt Entry Name	IKBA_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.