

Rabbit IκBa (pS32/36) (NFKB1A) Antibody | anti-IκBa (pS32/36) (NFKB1A) antibody

Rabbit anti Phospho-IκBa (pSer32/ pSer36)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA71434	Rabbit	Human, Rat, Mouse.	Immunocytochemistry, Western Blot, ELISA

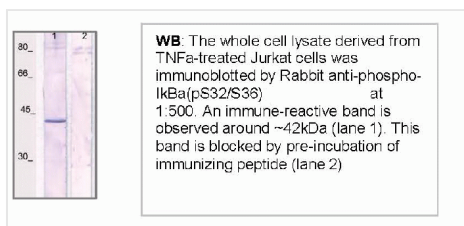
PRODUCT SYNONYMS

IκBa (pS32/36) (NFKB1A); Rabbit anti Phospho-IκBa (pSer32/ pSer36); Rabbit anti-IκBa (pS32/S36) Phosphospecific; I kappa B alpha; IκBa; IκappaBalphα; MAD3.; anti-IκBa (pS32/36) (NFKB1A) antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Rat, Mouse.
Specificity	This antibody recognizes ~42 kDa of human IκBa at dual phosphorylation sites of Ser32/Ser36. It does not recognize non-phosphorylated peptides. 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 Tris-buffered saline (pH7.2) containing antibody stabilizer
Applicable Applications for anti-IκBa (pS32/36) (NFKB1A) antibody	ICC (Immunocytochemistry), WB (Western Blot), ELISA
Antigen Preparation	A synthetic peptide corresponding to the epitope -DSGLDSM- at dual phosphorylation sites serine 32 and serine 36 of human IκBα protein. This sequence is identical within human, mouse, rat, dog and bovine.
Positive Control	TNFα-treated Jurkat cells
Preparation and Storage	The antibodies are stable for 12 months from date of receipt when stored at -20°C to -70°C. The antibodies can be stored at 2-8°C for three month without detectable loss of activity. Avoid repeated freezing-thawing cycles.

IMAGES



Application Data

ADDITIONAL INFORMATION

Related Product Information for anti-IκBa (pS32/36) (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 IKB-a Phosphorylation and Degradation and Subsequent NF-KB Activation by Glutathione Peroxidase Overexpression. (1996) The Journal of Cell Biology, 133 (5), 1083-1093.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	6706211
NCBI GeneID	4792
UniProt Accession #	P25963; B2R8L6; Q9UGJ5
Molecular Weight	~42 kDa
NCBI Official Full Name	IkBα
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; ikB-alpha; IkappaBalphα; I-kappa-B-alpha; 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.

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Online datasheet: <https://www.aaabiotech.com/rabbit-human-mouse-rat-antibody/ikba-ps32-36-nfkb1a/71434>