

Rabbit NFKBIA Polyclonal Antibody | anti-NFKBIA antibody

NFKBIA Antibody (S32/36)

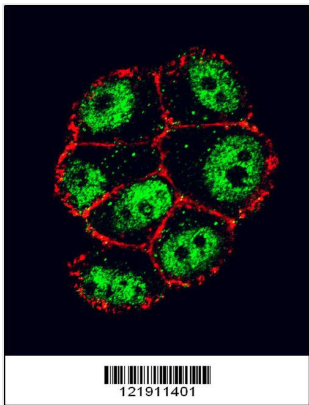
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA289327	Rabbit	Human (Predicted Reactivity: Mouse, Pig)	Immunofluorescence, Flow Cytometry, Functional Assay, Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

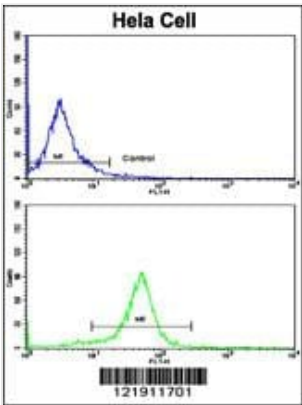
NFKBIA; Polyclonal Antibody; NFKBIA Antibody (S32/36); NF-kappa-B inhibitor alpha; I-kappa-B-alpha; Ikb-alpha; IkappaBalpha; Major histocompatibility complex enhancer-binding protein MAD3; IKBA; MAD3; NFKBI; anti-NFKBIA antibody

PRODUCT SPECIFICATIONS

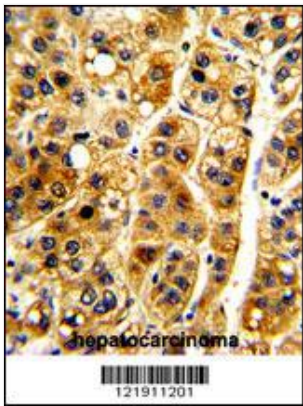
Host	Rabbit
Reactivity	Human (Predicted Reactivity: Mouse, Pig)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This NFKBIA antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 12-41 amino acids from human NFKBIA.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	12-41
Sequence Length	317
Applicable Applications for anti-NFKBIA antibody	IF (Immunofluorescence), FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



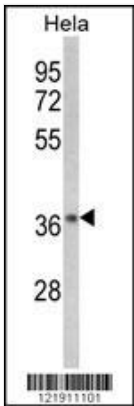
IF (Immunofluorescence)
Confocal immunofluorescent analysis of NFKBIA Antibody (S32/36) with ZR-75-1 cell followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green).Actin filaments have been labeled with Alexa Fluor 555 phalloidin (red).



FCM/FACS (Flow Cytometry)
Flow cytometric analysis of hela cells using NFKBIA Antibody (S32/36)(bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



IHC (Immunohistochemistry)
Formalin-fixed and paraffin-embedded human hepatocarcinoma with NFKBIA Antibody (S32/36), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



WB (Western Blot)
Western blot analysis of NFKBIA-S32/36 in HeLa cell line lysates (35ug/lane). NFKBIA (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-NFKBIA antibody	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, 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).
Product Categories/Family for anti-NFKBIA antibody	Cancer; Cell Biology; Immunology; Signal Transduction
References	Szamosi,T., Dig. Dis. Sci. (2008) Fan,C., J. Biol. Chem. 278 (3), 2072-2080 (2003) Tojima,Y., Nature 404 (6779), 778-782 (2000) Gil,J., Oncogene 19 (11), 1369-1378 (2000) Hay,R.T., Philos. Trans. R. Soc. Lond., B, Biol. Sci. 354 (1389), 1601-1609(1999)

NCBI AND UNIPROT INFORMATION

NCBI GI #	10092619
NCBI GeneID	4792

NCBI Accession #	NP_065390.1
NCBI GenBank Nucleotide #	NM_020529.2
UniProt Accession #	P25963 ; B2R8L6
Molecular Weight	35609
NCBI Official Full Name	NF-kappa-B inhibitor alpha
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
UniProt Protein Name	NF-kappa-B inhibitor alpha
UniProt Gene Name	NFKBIA
UniProt Synonym Gene Names	IKBA; MAD3; NFKBI; Ikb-alpha; IkappaBalph
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://stage.aaabiotech.com/polyclonal/nfkbia-antibody-immunofluorescence-flow-cytometry-immunohistochemistry-western-blot-elisa/289327>