

Mouse NFKB1 Monoclonal Antibody | anti-NFKB1 antibody

NFKB1 (Nuclear Factor of kappa Light Polypeptide Gene Enhancer in B-Cells 1, DKFZp686C01211, EBP-1, KBF1, MGC54151, NF-kappa-B, NFKB-p105, NFKB-p50, p105, p50) (FITC)

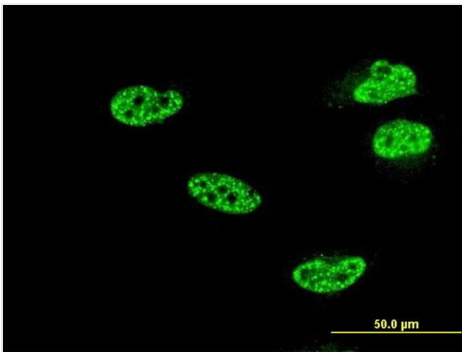
CATALOG # AAA26360	HOST Mouse	APPLICATIONS Immunofluorescence, Immunohistochemistry, Western Blot
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PRODUCT SYNONYMS

NFKB1; Monoclonal Antibody; NFKB1 (Nuclear Factor of kappa Light Polypeptide Gene Enhancer in B-Cells 1; DKFZp686C01211; EBP-1; KBF1; MGC54151; NF-kappa-B; NFKB-p105; NFKB-p50; p105; p50) (FITC); Nuclear Factor of kappa Light Polypeptide Gene Enhancer in B-Cells 1; p50; anti-NFKB1 antibody

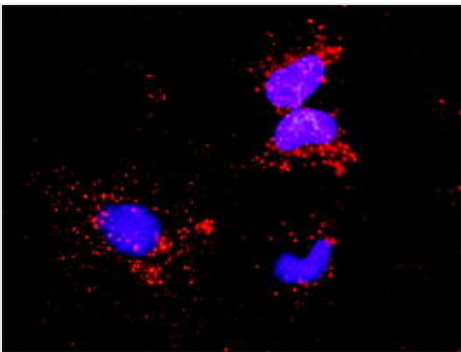
PRODUCT SPECIFICATIONS

Host	Mouse
Clonality	Monoclonal
Isotype	IgG1,k
Clone Number	4A11
Specificity	Recognizes NFKB1.
Purity/Purification	Purified
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Fluorescein isothiocyanate (FITC).
Sequence Length	969
Applicable Applications for anti-NFKB1 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Application Notes	Applications are based on unconjugated antibody.
Immunogen	NFKB1 (AAH51765, 860aa-969aa) partial recombinant protein with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	MDNYEVSGGTVRELVEALRQMGYTEAIEVIQAASSPVKTTSQLHSLPLSPASTRQQIDELRDSVCDSGVETSFRLKSFTESLTSGASLLTLNKMPhDYC
Conjugate	FITC
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and store at -20 degree C. Aliquots are stable at -20 degree C for 12 months after receipt. Dilute required amount only prior to immediate use. Further dilutions can be made in buffer. FITC conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.



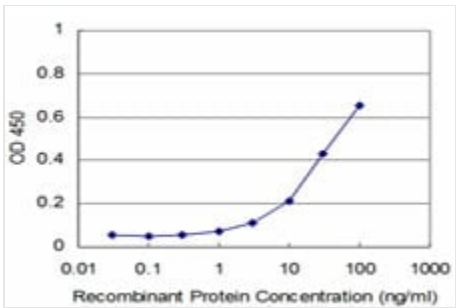
IF (Immunofluorescence)

Immunofluorescence of monoclonal antibody to NFKB1 on HeLa cell. [antibody concentration 10 ug/ml]



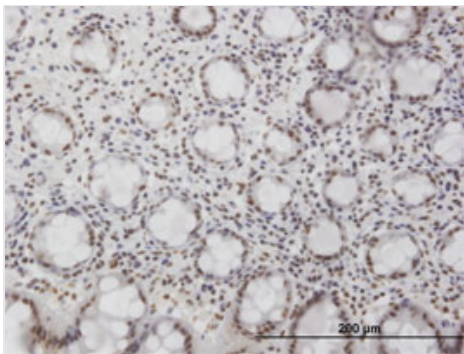
Application Data

Proximity Ligation Analysis of protein-protein interactions between HSP90AB1 and NFKB1
HeLa cells were stained with anti-HSP90AB1 rabbit purified polyclonal 1:1200 and anti-NFKB1 mouse monoclonal antibody 1:50. Each red dot represents the detection of protein-protein interaction complex, and nuclei were counterstained with DAPI (blue).



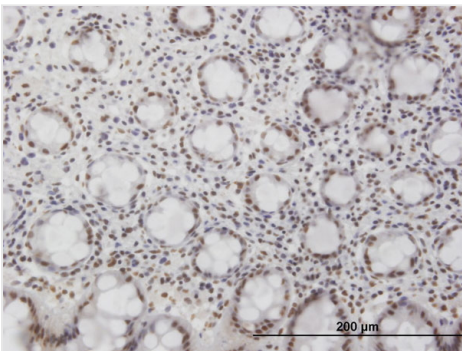
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Detection limit for recombinant GST tagged NFKB1 is approximately 3ng/ml as a capture antibody.



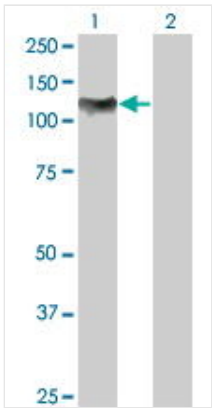
IHC (Immunohistochemistry)

Immunoperoxidase of monoclonal antibody to NFKB1 on formalin-fixed paraffin-embedded human colon. [antibody concentration 1.5 ug/ml]



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Immunoperoxidase of monoclonal antibody to NFKB1 on formalin-fixed paraffin-embedded human colon. [antibody concentration 1.5 ug/ml]



WB (Western Blot)

Western Blot analysis of NFKB1 expression in transfected 293T cell line by NFKB1 monoclonal antibody (M02), clone 4A11. Lane 1: NFKB1 transfected lysate (105.4 kDa). Lane 2: Non-transfected lysate.

ADDITIONAL INFORMATION

Related Product Information for anti-NFKB1 antibody	This gene encodes a 105 kD protein which can undergo cotranslational processing by the 26S proteasome to produce a 50 kD protein. The 105 kD protein is a Rel protein-specific transcription inhibitor and the 50 kD protein is a DNA binding subunit of the NF-kappa-B (NFKB) protein complex. NFKB is a transcription regulator that is activated by various intra- and extra-cellular stimuli such as cytokines, oxidant-free radicals, ultraviolet irradiation, and bacterial or viral products. Activated NFKB translocates into the nucleus and stimulates the expression of genes involved in a wide variety of biological functions. Inappropriate activation of NFKB has been associated with a number of inflammatory diseases while persistent inhibition of NFKB leads to inappropriate immune cell development or delayed cell growth. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]
Product Categories/Family for anti-NFKB1 antibody	Antibodies; Transcription Factors

NCBI AND UNIPROT INFORMATION

NCBI GI #	30354570
NCBI GeneID	4790
NCBI Official Full Name	Nuclear factor of kappa light polypeptide gene enhancer in B-cells 1
NCBI Official Synonym Full Names	nuclear factor kappa B subunit 1
NCBI Official Symbol	NFKB1
NCBI Official Synonym Symbols	p50; KBF1; p105; EBP-1; NF-kB; CVID12; NF-kB1; NFKB-p50; NFkappaB; NF-kappaB; NFKB-p105; NF-kappa-B1
NCBI Protein Information	nuclear factor NF-kappa-B p105 subunit

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/monoclonal/nfkb1-antibody-clone-4a11-immunofluorescence-immunohistochemistry-western-blot-elisa/26360>