

Rabbit RELA Polyclonal Antibody | anti-RELA antibody

RELA Antibody (Center)

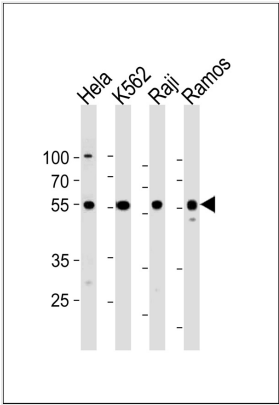
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA288976	Rabbit	Human (Predicted Reactivity: Mouse)	Immunofluorescence, ELISA, Western Blot

PRODUCT SYNONYMS

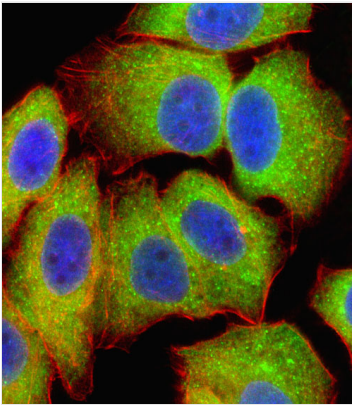
RELA; Polyclonal Antibody; RELA Antibody (Center); Transcription factor p65; Nuclear factor NF-kappa-B p65 subunit; Nuclear factor of kappa light polypeptide gene enhancer in B-cells 3; NFKB3; anti-RELA antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human (Predicted Reactivity: Mouse)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This RELA antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 166-195 amino acids from the Central region of human RELA.
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	166-195
Sequence Length	548
Applicable Applications for anti-RELA antibody	IF (Immunofluorescence), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Crown Antibody	Yes
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.



WB (Western Blot)
RELA Antibody (Center) western blot analysis in HeLa,K562,Raji,Ramos cell line lysates (35ug/lane).This demonstrates the RELA antibody detected the RELA protein (arrow).



IF (Immunofluorescence)
Fluorescent confocal image of U251 cell stained with RELA Antibody (Center). U251 cells were fixed with 4% PFA (20 min), permeabilized with Triton X-100 (0.1%, 10 min), then incubated with RELA primary antibody (1:25, 1 h at 37 degree). For secondary antibody, Alexa Fluor 488 conjugated donkey anti-rabbit antibody (green) was used (1:400, 50 min at 37 degree).Cytoplasmic actin was counterstained with Alexa Fluor 555 (red) conjugated Phalloidin (7units/ml, 1 h at 37 degree). Nuclei were counterstained with DAPI (blue) (10 ug/ml, 10 min).RELA immunoreactivity is localized to Cytoplasm significantly.

ADDITIONAL INFORMATION

Related Product Information for anti-RELA antibody	NFKB1 (MIM 164011) or NFKB2 (MIM 164012) is bound to REL (MIM 164910), RELA, or RELB (MIM 604758) to form the NFKB complex. The p50 (NFKB1)/p65 (RELA) heterodimer is the most abundant form of NFKB. The NFKB complex is inhibited by I-kappa-B proteins (NFKBIA, MIM 164008 or NFKBIB, MIM 604495), which inactivate NFKB 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 NFKB 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-RELA antibody	Neuroscience; Microbiology; Metabolism; Immunology; Cell Biology; Cardiovascular; Cancer; Crown Antibodies ; Signal Transduction
References	Pan, W.W., et al. J. Biol. Chem. 285(45):34348-34354(2010) Tago, K., et al. J. Biol. Chem. 285(40):30622-30633(2010) Park, J.S., et al. Oncol. Rep. 24(3):709-714(2010) Yu, Z.H., et al. Xi Bao Yu Fen Zi Mian Yi Xue Za Zhi 26(7):650-652(2010) Rohwer, N., et al. PLoS ONE 5 (8), E12038 (2010) :

NCBI AND UNIPROT INFORMATION

NCBI GI #	223468681
NCBI GeneID	5970
NCBI Accession #	NP_001138610.1; NP_001230913.1; NP_068810.3
NCBI GenBank Nucleotide #	NM_001145138.1
UniProt Accession #	Q04206; Q6GTV1; Q6SLK1
Molecular Weight	60219
NCBI Official Full Name	transcription factor p65 isoform 2

NCBI Official Synonym Full Names	v-rel avian reticuloendotheliosis viral oncogene homolog A
NCBI Official Symbol	RELA
NCBI Official Synonym Symbols	p65; NFKB3
NCBI Protein Information	transcription factor p65
UniProt Protein Name	Transcription factor p65
UniProt Gene Name	RELA
UniProt Synonym Gene Names	NFKB3
UniProt Entry Name	TF65_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/polyclonal/rela-antibody-immunofluorescence-western-blot-elisa/288976>