

Rabbit anti-Human Rel Polyclonal Antibody | anti-Rel antibody

Rel Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA322381	Rabbit	Human	ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

Rel; Polyclonal Antibody; Rel Antibody; Avian reticuloendotheliosis; C REL; C Rel protein; c Rel proto oncogene protein; Oncogene REL; Oncogene REL avian reticuloendotheliosis; Proto-oncogene c-Rel; REL; REL_HUMAN; v rel avian reticuloendotheliosis viral oncogene homolog; v rel reticuloendotheliosis viral oncogene homolog; V rel reticuloendotheliosis viral oncogene homolog (avian); anti-Rel antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Specificity	Rel antibody detects endogenous levels of total Rel
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	587
Applicable Applications for anti-Rel antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human Rel
Subcellular Location	Nucleus.
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)

AAA322381 at 1/100 staining Human breast cancer tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



IF (Immunofluorescence)

AAA322381 staining MDA-MB-435 by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.



WB (Western Blot)

Western blot analysis of Rel expression in MDA-MB-435 whole cell lysates, The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-Rel antibody

Function: Proto-oncogene that may play a role in differentiation and lymphopoiesis. NF-kappa-B is a pleiotropic transcription factor which is present in almost all cell types and is involved in many biological processes such as inflammation, immunity, differentiation, cell growth, tumorigenesis and apoptosis. NF-kappa-B is a homo- or heterodimeric complex formed by the Rel-like domain-containing proteins RELA/p65, RELB, NFKB1/p105, NFKB1/p50, REL and NFKB2/p52. The dimers bind at kappa-B sites in the DNA of their target genes and the individual dimers have distinct preferences for different kappa-B sites that they can bind with distinguishable affinity and specificity. Different dimer combinations act as transcriptional activators or repressors, respectively. NF-kappa-B is controlled by various mechanisms of post-translational modification and subcellular compartmentalization as well as by interactions with other cofactors or corepressors. NF-kappa-B complexes are held in the cytoplasm in an inactive state complexed with members of the NF-kappa-B inhibitor (I-kappa-B) family. In a conventional activation pathway, I-kappa-B is phosphorylated by I-kappa-B kinases (IKKs) in response to different activators, subsequently degraded thus liberating the active NF-kappa-B complex which translocates to the nucleus. The NF-kappa-B heterodimer RELA/p65-c-Rel is a transcriptional activator.

Subunit Structure: Component of the NF-kappa-B p65-c-Rel complex. Component of the NF-kappa-B p50-c-Rel complex. Component of the NF-kappa-B p52-c-Rel complex. Homodimer; component of the NF-kappa-B c-Rel-c-Rel complex (By similarity). Interacts with NKIRAS1. Interacts with NFKBIB (By similarity). Interacts with NFKBIE.

NCBI AND UNIPROT INFORMATION

NCBI GI #	619534182
NCBI GeneID	5966
NCBI Accession #	NP_001278675.1
NCBI GenBank Nucleotide #	NM_001291746.1
UniProt Accession #	Q04864; Q17RU2; Q2PNZ7; Q6LDY0
Molecular Weight	Observed: 78 kDa Predicted: 69 kDa
NCBI Official Full Name	proto-oncogene c-Rel isoform 2
NCBI Official Synonym Full Names	REL proto-oncogene, NF-kB subunit
NCBI Official Symbol	REL
NCBI Official Synonym Symbols	C-Rel
NCBI Protein Information	proto-oncogene c-Rel
UniProt Protein Name	Proto-oncogene c-Rel
UniProt Gene Name	REL

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/rel-antibody-immunocytochemistry-immunofluorescence-immunohistochemistry-western-blot-elisa/322381>