

Rabbit Rel Polyclonal Antibody | anti-Rel antibody

Phospho-Rel (Ser492/Ser460) Antibody

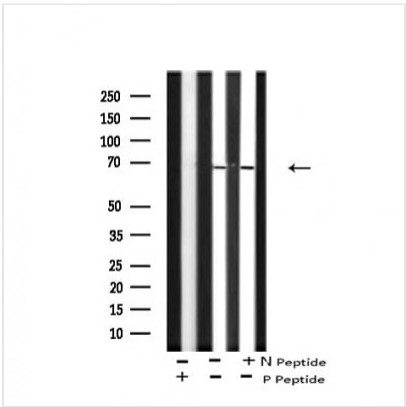
CATALOG # AAA329701	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS ELISA, Western Blot
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PRODUCT SYNONYMS

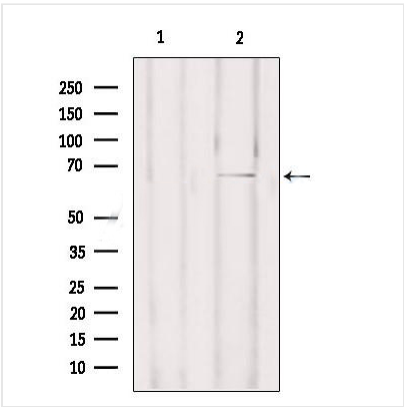
Rel; Polyclonal Antibody; Phospho-Rel (Ser492/Ser460) Antibody; Avian reticuloendotheliosis; C REL; C Rel protein; c Rel proto oncogene protein; Oncogene REL; Oncogene REL avian reticuloendotheliosis; Proto-oncogene c-Rel; REL; REL_HUMAN; v rel avian reticuloendotheliosis viral oncogene homolog; v rel reticuloendotheliosis viral oncogene homolog; V rel reticuloendotheliosis viral oncogene homolog (avian); anti-Rel antibody

PRODUCT SPECIFICATIONS

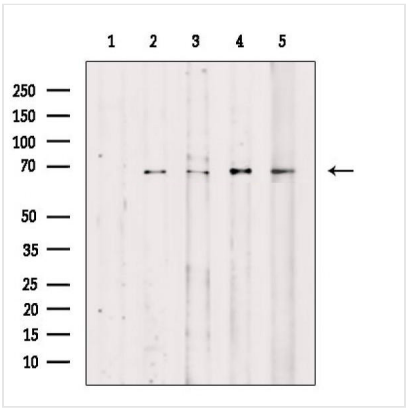
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Phospho-Rel (Ser492/Ser460) Antibody detects endogenous levels of Rel only when phosphorylated at Ser492 (Isoform1,Q04864-1) or Ser460 (Isoform2,Q04864-2).
Purity/Purification	The antibody is from purified rabbit serum by affinity purification via sequential chromatography on phospho-peptide and non-phospho-peptide affinity columns.
Form/Format	Liquid. Rabbit IgG in phosphate buffered saline, pH7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-Rel antibody	ELISA (Peptide ELISA), WB (Western Blot)
Immunogen	A synthesized peptide derived from human Rel around the phosphorylation site of Ser492/460.
Conjugation	Unconjugated
Fragment	Fab fragment
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.
Subcellular Location	Nucleus.
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.



WB (Western Blot)
Western blot analysis of Rel (Phospho-Ser492/460) using Paclitaxel treated HeLa whole cell lysates. -/+ means absence or presence of N peptide?non-phospho peptide) and P peptide(phospho peptide).



WB (Western Blot)
Western blot analysis of extracts from Hepg2, using Rel (Phospho-Ser492/460) Antibody. Lane 1 was treated with the blocking peptide.



WB (Western Blot)
Western blot analysis of extracts from various samples, using Phospho-Rel (Ser492/Ser460) Antibody. Lane 1: HeLa cells (serum starvation treatment), blocked with antigen-specific peptides, Lane 2: HeLa cells (serum starvation treatment), Lane 3: Rat brain, Lane 4: HepG2 cells (heat shock treatment), Lane 5: Mouse muscle.

ADDITIONAL INFORMATION

Related Product Information for anti-Rel antibody

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.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4506473
NCBI GeneID	5966
NCBI Accession #	NP_002899.1

NCBI GenBank Nucleotide #	NM_002908.2
UniProt Accession #	Q04864; Q2PNZ7; Q6LDY0
Molecular Weight	68,520 Da
NCBI Official Full Name	proto-oncogene c-Rel
NCBI Official Synonym Full Names	v-rel reticuloendotheliosis viral oncogene homolog (avian)
NCBI Official Symbol	REL
NCBI Official Synonym Symbols	C-Rel
NCBI Protein Information	proto-oncogene c-Rel; C-Rel proto-oncogene protein; oncogene REL, avian reticuloendotheliosis; v-rel avian reticuloendotheliosis viral oncogene homolog
UniProt Protein Name	Proto-oncogene c-Rel
UniProt Gene Name	REL
UniProt Entry Name	REL_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/rel-antibody-peptide-elisa-western-blot-elisa/329701>