

Anti-c-Rel Picoband Antibody

Catalog # ABO12427

Product Information

Application	WB, IHC-P
Primary Accession	P15307
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Format	Lyophilized
Description	Rabbit IgG polyclonal antibody for Proto-oncogene c-Rel(REL) detection. Tested with WB, IHC-P in Human;Mouse;Rat.

Reconstitution Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Additional Information

Other Names	Proto-oncogene c-Rel, Rel
Calculated MW	64960
Application Details	Immunohistochemistry(Paraffin-embedded Section), 0.5-1 μ g/ml, Human, Mouse, Rat, By Heat Western blot, 0.1-0.5 μ g/ml, Human, Rat
Subcellular Localization	Nucleus.
Source	Eukaryota
Protein Name	Proto-oncogene c-Rel
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg NaN ₃ .
Immunogen	A synthetic peptide corresponding to a sequence in the middle region of mouse c-Rel (268-306aa DQEVSESMDFRYLPDEKDAYGNKSKKQKTTLIFQKLLQD), different from the related human sequence by four amino acids.
Purification	Immunogen affinity purified.
Cross Reactivity	No cross reactivity with other proteins.
Storage	At -20 °C for one year. After reconstitution, at 4 °C for one month. It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.

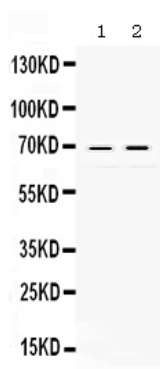
Protein Information

Name	Rel
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 (By similarity).
Cellular Location	Nucleus.

Background

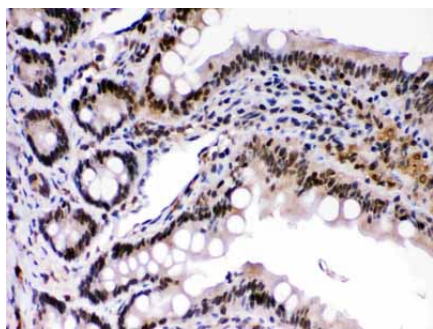
The proto-oncogene c-Rel is a protein that in humans is encoded by the REL gene. This gene is mapped to chromosome 2p13-p12. The c-Rel protein is a member of the NF- κ B family of transcription factors and contains a Rel homology domain (RHD) at its N-terminus and two C-terminal transactivation domains. c-Rel has an important role in B-cell survival and proliferation. The REL gene is amplified or mutated in several human B-cell lymphomas, including diffuse large B-cell lymphoma and Hodgkin's lymphoma.

Images

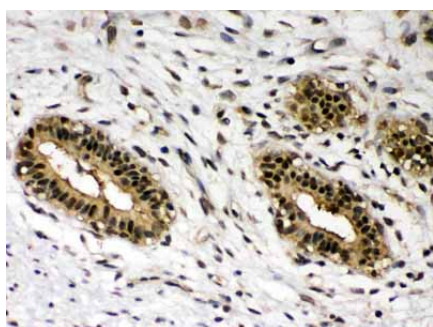
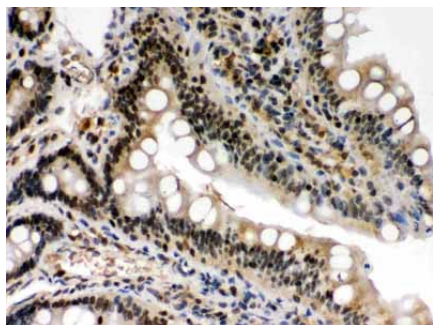


Anti- c-Rel Picoband antibody, ABO12427, Western blotting
All lanes: Anti c-Rel (ABO12427) at 0.5ug/ml
Lane 1: Rat Kidney Tissue Lysate at 50ug
Lane 2: HELA Whole Cell Lysate at 40ug
Predicted bind size: 69KD
Observed bind size: 69KD

Anti- c-Rel Picoband antibody, ABO12427, IHC(P)
IHC(P): Mouse Intestine Tissue



Anti- c-Rel Picoband antibody, ABO12427,IHC(P)IHC(P):
Rat Intestine Tissue



Anti- c-Rel Picoband antibody, ABO12427,IHC(P)IHC(P):
Human Mammary Cancer Tissue

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.