10320 Camino Santa Fe, Suite G
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Tel: 858.875.1900 Fax: 858.875.1999

REL / C-Rel Antibody (Internal)
Goat Polyclonal Antibody
Catalog # ALS14589

Specification

REL / C-Rel Antibody (Internal) - Product Information

Application	**WB**
Primary Accession	Q04864
Reactivity	**Human**
Host	**Goat**
Clonality	**Polyclonal**
Calculated MW	**69kDa KDa**

REL / C-Rel Antibody (Internal) - Additional Information

Gene ID 5966

Other Names
Proto-oncogene c-Rel, REL

Target/Specificity
Human REL / c-Rel.

Reconstitution & Storage
Store at -20°C. Minimize freezing and thawing.

Precautions
REL / C-Rel Antibody (Internal) is for research use only and not for use in diagnostic or therapeutic procedures.

REL / C-Rel Antibody (Internal) - 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 processed 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.

Cellular Location
Nucleus.

REL / C-Rel Antibody (Internal) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

REL / C-Rel Antibody (Internal) - Images

REL antibody (0.5 ug/ml) staining of Human Spleen lysate (35 ug protein/ml in RIPA buffer).

REL / C-Rel Antibody (Internal) - Background

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REL / C-Rel Antibody (Internal) - References

Brownell E.,et al.Oncogene 4:935-942(1989).
Hillier L.W.,et al.Nature 434:724-731(2005).
Brownell E.,et al.Mol. Cell. Biol. 5:2826-2831(1985).
Hansen S.K.,et al.EMBO J. 11:205-213(1992).
Beg A.A.,et al.Oncogene 9:1487-1492(1994).