

c-Rel (phospho Ser503) Polyclonal Antibody

Catalog # AP67784

Specification

c-Rel (phospho Ser503) Polyclonal Antibody - Product Information

Application WB, IHC-P
Primary Accession Q04864
Reactivity Human
Host Rabbit
Clonality Polyclonal

c-Rel (phospho Ser503) Polyclonal Antibody - Additional Information

Gene ID 5966

Other Names

REL; Proto-oncogene c-Rel

Dilution

WB~~Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/5000. Not yet tested in other applications.

IHC-P~~N/A

Format

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

Storage Conditions

-20°C

c-Rel (phospho Ser503) Polyclonal Antibody - 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.

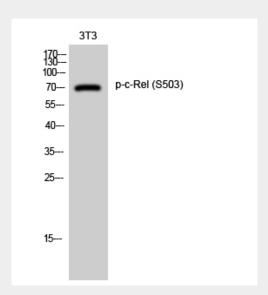
Cellular Location Nucleus.

c-Rel (phospho Ser503) Polyclonal Antibody - 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

c-Rel (phospho Ser503) Polyclonal Antibody - Images



Western Blot analysis of 3T3 cells using Phospho-c-Rel (S503) Polyclonal Antibody diluted at $1 \square 1000$ cells nucleus extracted by Minute TM Cytoplasmic and Nuclear Fractionation kit (SC-003,Inventbiotech,MN,USA).

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