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REL (C) Antibody, Rabbit Polyclonal

Cat#: R1347-2

Quantity: 100 ul

Predicted | Observed M.W.: 69 kDa

Lot#: Refer to vial

Application: WB

Uniprot ID: Q04864

Background:

Proto-oncogene c-Rel (REL) is a member of the NF-kappa-B transcription factor family. NF-kappa-B is a pleiotropic transcription factor 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 to the kappa-B sites of their target genes and the individual dimers have distinct affinity and specificity for different kappa-B sites. Different dimer combinations act as transcriptional activators or repressors, respectively. NF-kappa-B complexes are held in the cytoplasm in an inactive state by 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.

Other Names:

Proto-oncogene c-Rel

Source and Purity:

Rabbit polyclonal antibodies were produced by immunizing animals with a GST-fusion protein containing the C-terminal region of human REL. Antibodies were purified by affinity purification using immunogen.

Storage Buffer and Condition:

Supplied in 1 x PBS (pH 7.4), 100 ug/ml BSA, 40% Glycerol, 0.01% NaN₃. Store at -20 °C. Stable for 6 months from date of receipt.

Tested Applications:

WB: 1:1,000-1:5,000 (detect endogenous protein*)

*: The apparent protein size on WB may be different from the calculated M.W. due to modifications.

Species Specificity:

Human, Mouse

Product Data:

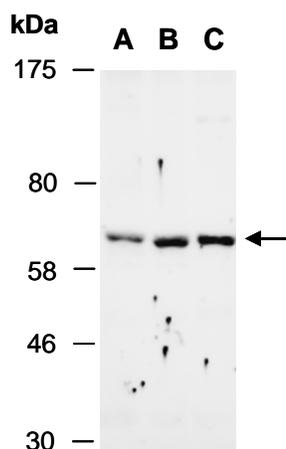


Fig 1. Western blot of total cell extracts from (A) human HeLa, (B) human Jurkat, (C) mouse thymus, using anti-REL (C) (R1347-2) at RT for 2 h.