Datasheet for ABIN7172594
# anti-RELB antibody (AA 400-579)

2 Images

Go to Product page

## Overview

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|---|---|
| Quantity: | 100 µg |
| Target: | RELB |
| Binding Specificity: | AA 400-579 |
| Reactivity: | Human |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This RELB antibody is un-conjugated |
| Application: | Western Blotting (WB), ELISA, Immunofluorescence (IF) |

## Product Details

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| Immunogen: | Recombinant Human Transcription factor RelB protein (400-579AA) |
| Isotype: | IgG |
| Cross-Reactivity: | Human, Mouse |
| Purification: | >95%, Protein G purified |

## Target Details

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| Target: | RELB |
| Alternative Name: | RELB (RELB Products) |
| Background: | Background: 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, |

## Target Details

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| | 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. NF-kappa-B heterodimeric RelB-p50 and RelB-p52 complexes are transcriptional activators. RELB neither associates with DNA nor with RELA/p65 or REL. Stimulates promoter activity in the presence of NFKB2/p49. As a member of the NUPR1/RELB/IER3 survival pathway, may provide pancreatic ductal adenocarcinoma with remarkable resistance to cell stress, such as starvation or gemcitabine treatment. Regulates the circadian clock by repressing the transcriptional activator activity of the CLOCK-ARNTL/BMAL1 heterodimer in a CRY1/CRY2 independent manner. Increased repression of the heterodimer is seen in the presence of NFKB2/p52.<br>Aliases: I REL antibody, I-Rel antibody, IREL antibody, Nuclear factor of kappa light polypeptide gene enhancer in B cells 3 antibody, relB antibody, RELB_HUMAN antibody, Reticuloendotheliosis viral oncogene homolog B antibody, Transcription factor Rel B antibody, Transcription factor RelB antibody, v rel avian reticuloendotheliosis viral oncogene homolog B antibody, v rel reticuloendotheliosis viral oncogene homolog B antibody |
| UniProt: | Q01201 |
| Pathways: | NF-kappaB Signaling, RTK Signaling |

## Application Details

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| Application Notes: | Recommended dilution: WB:1:2000-1:10000, IF:1:50-1:500, |
| Restrictions: | For Research Use only |

## Handling

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| Format: | Liquid |

## Handling

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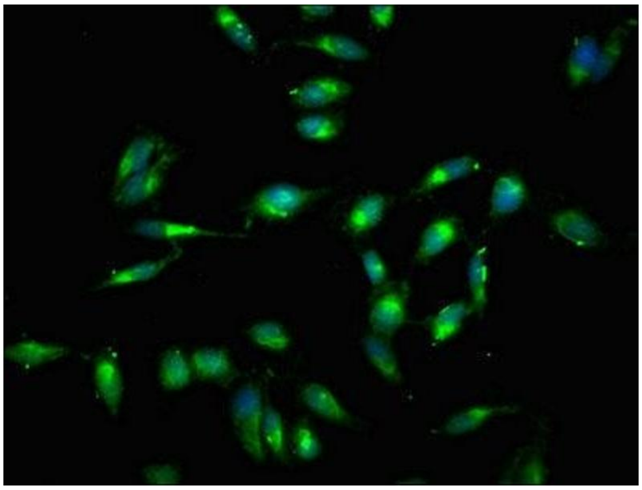
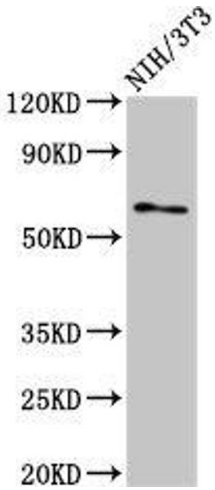
|---|---|
| Buffer: | Preservative: 0.03 % Proclin 300<br>Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4 |
| Preservative: | ProClin |
| Precaution of Use: | This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Storage: | -20 °C,-80 °C |
| Storage Comment: | Upon receipt, store at -20°C or -80°C. Avoid repeated freeze. |

## Images



**Immunofluorescence**

**Image 1.** Immunofluorescent analysis of Hela cells using ABIN7172594 at dilution of 1:100 and Alexa Fluor 488-congugated AffiniPure Goat Anti-Rabbit IgG(H+L)




**Western Blotting**

**Image 2.** Western Blot Positive WB detected in: NIH/3T3 whole cell lysate All lanes: RELB antibody at 3 µg/mL Secondary Goat polyclonal to rabbit IgG at 1/50000 dilution Predicted band size: 63, 62, 15 kDa Observed band size: 63 kDa