

Anti-Rel B/RELB Antibody Picoband® PE Conjugated

Catalog Number: PB9799-PE

About RELB

RELB (v-rel reticuloendotheliosis viral oncogene homolog B) is also known as IREL. The International Radiation Hybrid Mapping Consortium assigned the RELB gene to chromosome 19. By RT-PCR and immunocytochemical analyses, Clark et al. (1999) showed that RELB expression correlated with dendritic cell activation. NF-kappa-B-inducing kinase is required for osteoclastogenesis in response to pathologic stimuli. Vaira et al. (2008) found that overexpression of Relb, but not Rela, rescued differentiation of mouse Nik ^{-/-} osteoclast precursors, indicating that blockade of the alternative NF-kappa-B pathway, rather than the classical NF-kappa-B pathway, is responsible for the osteoclastogenic defect in the absence of Nik. Using Relb ^{-/-} mice, they showed that Relb itself was required for Rankl-induced osteoclastogenesis in vitro and for TNF-induced bone resorption in vivo. Both Relb ^{-/-} and Nik ^{-/-} mice were resistant to tumor-mediated osteolysis. Vaira et al. (2008) concluded that the alternative NF-kappa-B pathway, via RELB, plays an essential and unique role in RANKL signaling toward osteoclast development.

Overview

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| Product Name | Anti-Rel B/RELB Antibody Picoband® PE Conjugated |
| Reactive Species | Human, Mouse |
| Application | Recommended applications are based on the parent unconjugated antibody (WB). Customers may select suitable applications according to their experimental needs. |
| Clonality | Polyclonal |
| Formulation | Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na ₂ HPO ₄ , 0.02% NaN ₃ . |
| Storage Instructions | At -20°C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light. |
| Host | Rabbit |
| Uniprot ID | Q01201 |

Technical Details

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| Immunogen | A synthetic peptide corresponding to a sequence in the middle region of human Rel B, identical to the related mouse sequence. |
| Cross Reactivity | No cross-reactivity with other proteins. |
| Isotype | Rabbit IgG |
| Form | Liquid |
| Concentration | 0.5 mg/mL |
| Purification | Immunogen affinity purified. |
| Conjugate | PE |

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| | Excitation Wavelength: 566 nm Emission Wavelength: 574 nm |
| Suggested Dilutions | Optimal dilutions should be determined by end users. |

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