

Datasheet for ABIN3029550
anti-RELB antibody (AA 393-413)



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2 Images

Overview

Quantity:	100 µg
Target:	RELB
Binding Specificity:	AA 393-413
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This RELB antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	Amino acids 393-413 (LPFTYLPRDHDSYGVDKKRKR-human) were used as the immunogen for this RelB antibody (100% mouse homology).
Isotype:	IgG
Purification:	Antigen affinity

Target Details

Target:	RELB
Alternative Name:	RelB (RELB Products)
Background:	RelB (v-rel reticuloendotheliosis viral oncogene homolog B) is also known as IREL. By RT-PCR and immunocytochemical analyses, Clark et al.(1999) showed that protein expression correlated with dendritic cell activation. NF-kappa-B-inducing kinase is required for

Target Details

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 classic pathway, is responsible for the osteoclastogenic defect in the absence of Nik. Using RelB ^{-/-} mice, they showed that the protein 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.

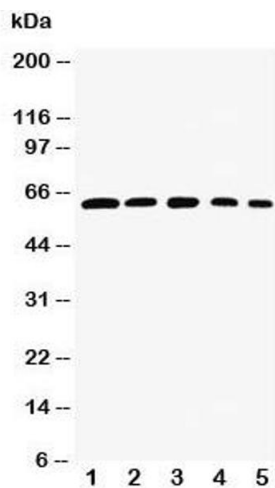
UniProt:	Q01201
Pathways:	NF-kappaB Signaling , RTK Signaling

Application Details

Application Notes:	The stated application concentrations are suggested starting amounts. Titration of the RelB antibody may be required due to differences in protocols and secondary/substrate sensitivity.\. Western blot: 0.5-1 µg/mL
Restrictions:	For Research Use only

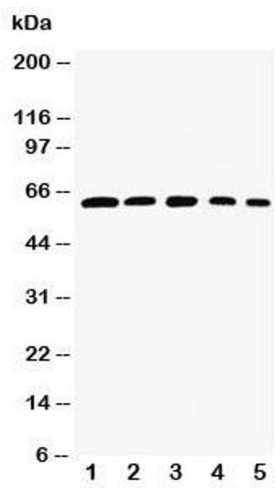
Handling

Buffer:	0.5 mg/mL if reconstituted with 0.2 mL sterile DI water
Storage:	-20 °C
Storage Comment:	After reconstitution, the Rel B antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.



Western Blotting

Image 1. Western blot testing of RelB antibody and Lane 1: rat testis; 2: (h) HeLa; 3: (m) NIH3T3; 4: (h) Raji; 5: (m) HEPA cell lysate. Predicted size: 62-70KD



Western Blotting

Image 2. Western blot testing of RelB antibody and Lane 1: rat testis