

Datasheet for ABIN6700852

RELB Protein (His tag)



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Overview

Quantity:	20 µg
Target:	RELB
Origin:	Human
Source:	Insect cells (Sf9)
Protein Type:	Recombinant
Purification tag / Conjugate:	This RELB protein is labelled with His tag.
Application:	Western Blotting (WB)

Product Details

Purpose:	Rel B recombinant protein-HIS Epitope
Purification:	Recombinant full-length human Rel B was expressed by baculovirus in Sf9 insect cells using an N-Terminal his epitope. The purity was determined to be >85% by densitometry.
Purity:	>85%

Target Details

Target:	RELB
Alternative Name:	RELB (RELB Products)
Background:	<p>Synonyms: IREL, I-REL, Transcription factor RelB</p> <p>Background: Rel B is part of the NFκB complex and forms heterodimeric complexes with p50 (NFκB1) and p52 (NFκB2) (1). The homodimeric complexes of Rel B alone do not show DNA-binding activity. IHC analysis has shown that Rel B expression correlated with dendritic cell</p>

Target Details

activation. NFkB-inducing kinase NIK is required for osteoclastogenesis in response to pathologic stimuli and overexpression of Rel B rescues differentiation of mouse NIK -/- osteoclast precursors. Rel B is required for RANKL-induced osteoclastogenesis in vitro and for TNF -induced bone resorption in vivo. This indicates that the alternative NFkB pathway, via Rel B, plays an essential and unique role in RANKL signaling toward osteoclast development (2). Rel B Protein is ideal for investigators involved in Signaling Proteins, Transcription Proteins, Apoptosis/Autophagy, Cancer, Inflammation, Neurobiology, and NFkB Pathway research.

NCBI Accession: [NM_006509](#)

Pathways: [NF-kappaB Signaling](#), [RTK Signaling](#)

Application Details

Application Notes: Western_Blot_Dilution: User Optimized

Application_Note: Rel B Protein is suitable for use in Western Blot. Expect a band approximately ~68 kDa on specific lysates or tissues. Specific conditions for reactivity should be optimized by the end user.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 0.2 µg/µL

Buffer: Rel B Protein is stored in 50 mM sodium phosphate, pH 7.0, 300 mM NaCl, 150 mM imidazole, 0.1 mM PMSF, 0.25 mM DTT, 25 % glycerol.

Storage: -80 °C

Storage Comment: Store product at -70°C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.

Expiry Date: 12 months