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Datasheet for ABIN7167101
anti-RBCK1 antibody (AA 162-261) (Biotin)

Overview

Quantity:	100 µg
Target:	RBCK1
Binding Specificity:	AA 162-261
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This RBCK1 antibody is conjugated to Biotin
Application:	ELISA

Product Details

Immunogen:	Recombinant Human RanBP-type and C3HC4-type zinc finger-containing protein 1 protein (162-261AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	RBCK1
Alternative Name:	RBCK1 (RBCK1 Products)
Background:	Background: E3 ubiquitin-protein ligase, which accepts ubiquitin from specific E2 ubiquitin-

Target Details

conjugating enzymes, such as UBE2L3/UBCM4, and then transfers it to substrates. Functions as an E3 ligase for oxidized IREB2 and both heme and oxygen are necessary for IREB2 ubiquitination. Promotes ubiquitination of TAB2 and IRF3 and their degradation by the proteasome. Component of the LUBAC complex which conjugates linear (M1-linked) polyubiquitin chains to substrates and plays a key role in NF-kappa-B activation and regulation of inflammation. LUBAC conjugates linear polyubiquitin to IKBKG and RIPK1 and is involved in activation of the canonical NF-kappa-B and the JNK signaling pathways. Linear ubiquitination mediated by the LUBAC complex interferes with TNF-induced cell death and thereby prevents inflammation. LUBAC is proposed to be recruited to the TNF-R1 signaling complex (TNF-RSC) following polyubiquitination of TNF-RSC components by BIRC2 and/or BIRC3 and to conjugate linear polyubiquitin to IKBKG and possibly other components contributing to the stability of the complex. Together with FAM105B/otulin, the LUBAC complex regulates the canonical Wnt signaling during angiogenesis. Binds polyubiquitin of different linkage types.

Aliases: C20orf18 antibody, Chromosome 20 open reading frame 18 antibody, HBV associated factor 4 antibody, HBV-associated factor 4 antibody, Heme-oxidized IRP2 ubiquitin ligase 1 antibody, Hepatitis B virus X associated protein 4 antibody, Hepatitis B virus X-associated protein 4 antibody, HOIL 1L antibody, HOIL-1 antibody, HOIL-1L antibody, HOIL1 antibody, HOIL1L antibody, RanBP type and C3HC4 type zinc finger containing 1 antibody, RanBP-type and C3HC4-type zinc finger-containing protein 1 antibody, RBCC protein interacting with PKC1 antibody, Rbck1 antibody, RBCK2 antibody, RING finger protein 54 antibody, RNF54 antibody, UB713_HUMAN antibody, UBCE7IP3 antibody, Ubiquitin conjugating enzyme 7 interacting protein 3 antibody, Ubiquitin-conjugating enzyme 7-interacting protein 3 antibody, XAP3 antibody, XAP4 antibody, ZRANB4 antibody

UniProt: [Q9BYM8](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Preservative: 0.03 % Proclin 300
Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4

Handling

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.