

DATASHEET

RBCK1 Mouse Monoclonal Antibody(C3991)

CAT. NO. AMA03603

KEY FEATURES

| | | | |
|---------------|--|---------------|--------------|
| Target | RBCK1 | Source / Host | Mouse |
| Reactivity | Human | Clonality | Monoclonal |
| Applications | WB | Conjugation | Unconjugated |
| Form / Buffer | Mouse IgG1 kappa. Liquid in PBS, pH 7.3, 30% glycerol, and 0.01% sodium azide. | Storage | at-20°C |

BACKGROUND

E3 ubiquitin-protein ligase, which accepts ubiquitin from specific E2 ubiquitin-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 ('Met-1'-linked) polyubiquitin chains to substrates and plays a key role in NF-kappa-B activation and regulation of inflammation . LUBAC conjugates linear polyubiquitin to IKBK and RIPK1 and is involved in activation of the canonical NF-kappa-B and the JNK signaling pathways .

APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

| | |
|----|----------------|
| WB | 1:500 - 1:1000 |
|----|----------------|

*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

PRODUCT OVERVIEW

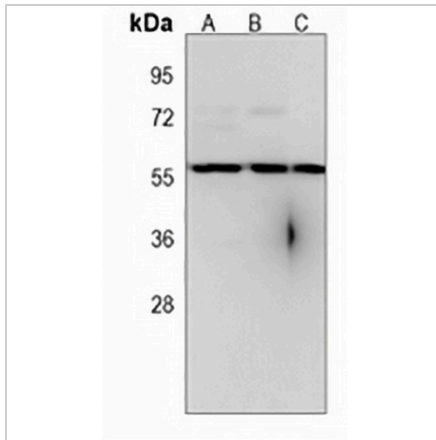
| | |
|-------------------|---|
| Description | Mouse monoclonal antibody to RBCK1 |
| Specificity | Recognizes endogenous levels of RBCK1 |
| Antibody Type | Primary antibody |
| Immunogen | Recombinant fusion protein of human RBCK1. The exact sequence is proprietary. |
| Purification | This antibody is purified through a protein G column. |
| Molecular Weight | Predicted: 57 kD; Observed: 58 kD |
| Form/Buffer | Mouse IgG1 kappa. Liquid in PBS, pH 7.3, 30% glycerol, and 0.01% sodium azide. |
| Alternative Names | C20orf18; RNF54; UBCE7IP3; XAP3; XAP4; RanBP-type and C3HC4-type zinc finger-containing protein 1; HBV-associated factor 4; Heme-oxidized IRP2 ubiquitin ligase 1; HOIL-1; Hepatitis B virus X-associated protein 4; RING finger protein 54; Ubiquitin-conjugating enzyme 7-interacting protein 3 |
| Gene Symbol | RBCK1 |
| Entrez Gene | 10616(Human) |
| SwissProt | Q9BYM8(Human) |

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact info@arexbio.com or your local distributor.

*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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DATA

Western blot analysis of RBCK1 expression in Jurkat (A), 293 (B), A375 (C) whole cell lysates. (Predicted band size: 57 kD; Observed band size: 58 kD)

STORAGE

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

NOTE

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.