

Anti-RBCK1 (UBCE7IP3) Antibody

Catalog Number: M04562

About RBCK1

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- κ -B activation and regulation of inflammation. LUBAC conjugates linear polyubiquitin to IKK β and RIPK1 and is involved in activation of the canonical NF- κ -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 IKK β 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.

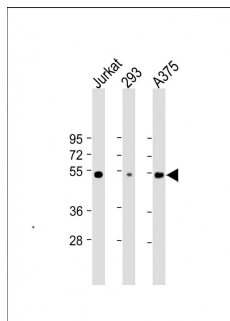
Overview

Product Name	Anti-RBCK1 (UBCE7IP3) Antibody
Reactive Species	Human
Description	Boster Bio Anti-RBCK1 (UBCE7IP3) Antibody (Catalog # M04562). Tested in WB application(s). This antibody reacts with Human.
Application	WB
Clonality	Monoclonal 1839CT718.19.54
Formulation	Purified monoclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.
Storage Instructions	Maintain refrigerated at 2-8°C for up to 2 weeks. For long-term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.
Host	Mouse
Uniprot ID	Q9BYM8

Technical Details

Immunogen	This RBCK1 (UBCE7IP3) antibody is generated from a mouse immunized with a recombinant protein of human RBCK1 (UBCE7IP3).
Predicted Reactive Species	Chicken, Mouse
Isotype	IgG1,k
Purification	This antibody is purified through a protein G column, followed by dialysis against PBS.
Suggested Dilutions	WB: 1:2000

Anti-RBCK1 (UBCE7IP3) Antibody (M04562) Images



All lanes : Anti-RBCK1 (UBCE7IP3) Antibody at 1:2000 dilution
Lane 1: Jurkat whole cell lysate
Lane 2: 293 whole cell lysate
Lane 3: A375 whole cell lysate
Lysates/proteins at 20 µg per lane. Secondary Goat Anti-mouse IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 58 kDa
Blocking/Dilution buffer: 5% NFDM/TBST.

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