RBCK1 (UBCE7IP3) Antibody

Catalog_no： AB3720

Reactivity： H

Category： 抗原抗体

Size： 100μL/50μL

Immunogen： HUMAN

Specificity： This RBCK1 (UBCE7IP3) antibody is generated from a mouse immunized with a recombinant protein of human RBCK1 (UBCE7IP3).

Dilution： WB,1:2000;

Other_name： RanBP-type and C3HC4-type zinc finger-containing protein 1, 6.3.2.-, 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, RBCK1, C20orf18, RNF54, UBCE7IP3, XAP3, XAP4

Isotype： IgG1,k

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 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.

reference： Cong Y.-S.,et al.J. Biol. Chem. 272:16482-16489(1997). Yamanaka K.,et al.Nat. Cell Biol. 5:336-340(2003). Deloukas P.,et al.Nature 414:865-871(2001). Hillman R.T.,et al.Genome Biol. 5:R8.1-R8.16(2004). Zhang Y.,et al.Mol. Cell. Proteomics 4:1240-1250