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## **RBCK1 (N) Antibody, Rabbit Polyclonal**

**Cat#:** R3235-1

**Quantity:** 100 ul

**Predicted | Observed M.W.:** 58 kDa

**Lot#:** Refer to vial

**Application:** WB

**Uniprot ID:** Q9BYM8

### **Background:**

RanBP-type and C3HC4-type zinc finger-containing protein 1 (RBCK1) is an E3 ubiquitin-protein ligase, which accepts ubiquitin from specific E2 ubiquitin-conjugating enzymes, such as UBE2L3/UBCM4, and then transfers it to substrates. RBCK1 functions as an E3 ligase for oxidized IREB2 and both heme and oxygen are necessary for IREB2 ubiquitination. RBCK1 promotes ubiquitination of TAB2 and IRF3 and their degradation by the proteasome. RBCK1 is also a 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. Together with FAM105B/otulin, the LUBAC complex also regulates the canonical Wnt signaling during angiogenesis.

### **Other Names:**

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, C20orf18, RNF54, UBCE7IP3, XAP3, XAP4

### **Source and Purity:**

Rabbit polyclonal antibodies were produced by immunizing animals with a GST-fusion protein containing N-terminal region of human RBCK1. Antibodies were purified by affinity purification using immunogen.

### **Storage Buffer and Condition:**

Supplied in 1 x PBS (pH 7.4), 100 ug/ml BSA, 40% Glycerol, 0.01% NaN<sub>3</sub>. Store at -20 °C. Stable for 6 months from date of receipt.

### **Species Specificity:**

Human

### **Tested Applications:**

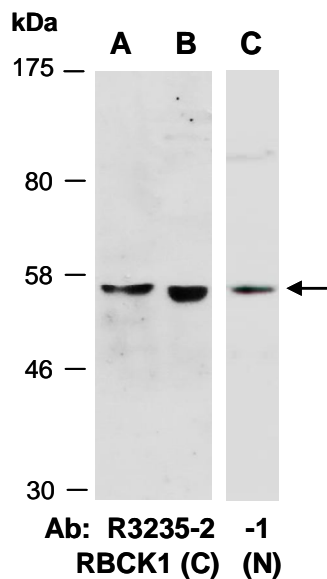
WB: 1:1,000-1:3,000 (detect endogenous protein\*)

\*: The apparent protein size on WB may be different from the calculated M.W. due to modifications.

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**Product Data:**



**Fig 1.** Western blot of total cell extracts from A) mouse thymus, B, C) human HeLa; using 2 independent Abs against 2 distinct regions of human RBCK1 at RT for 2 h.