

## RBCK1 Rabbit pAb

CatalogNo: YN6223

### | Key Features

#### Host Species

- Rabbit

#### Reactivity

- Human, Mouse, Rat

#### Applications

- WB

#### MW

- 56kD (Calculated)

#### Isotype

- IgG

### | Recommended Dilution Ratios

**WB 1:500-2000**

### | Storage

#### Storage\*

-15°C to -25°C/1 year(Do not lower than -25°C)

#### Formulation

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

### | Basic Information

#### Clonality

Polyclonal

### | Immunogen Information

#### Immunogen

Synthesized peptide derived from human RBCK1

#### Specificity

This antibody detects endogenous levels of RBCK1 at Human, Mouse, Rat

### | Target Information

#### Gene name

RBCK1 C20orf18 RNF54 UBCE7IP3 XAP3 XAP4

**Protein Name** 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)

Organism	Gene ID	UniProt ID
Human	<a href="#">10616</a> ;	<a href="#">Q9BYM8</a> ;
Mouse	<a href="#">24105</a> ;	<a href="#">Q9WUB0</a> ;
Rat	<a href="#">60383</a> ;	<a href="#">Q62921</a> ;

**Function** 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 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 . The LUBAC complex is also involved in innate immunity by conjugating linear polyubiquitin chains at the surface of bacteria invading the cytosol to form the ubiquitin coat surrounding bacteria . LUBAC is not able to initiate formation of the bacterial ubiquitin coat, and can only promote formation of linear polyubiquitins on pre-existing ubiquitin . The bacterial ubiquitin coat acts as an 'eat-me' signal for xenophagy and promotes NF-kappa-B activation . Together with OTULIN, the LUBAC complex regulates the canonical Wnt signaling during angiogenesis . Binds polyubiquitin of different linkage types .

## | Validation Data

## | Contact information

Orders: [order@immunoway.com](mailto:order@immunoway.com)  
Support: [tech@immunoway.com](mailto:tech@immunoway.com)  
Telephone: 877-594-3616 (Toll Free), 408-747-0185  
Website: <http://www.immunoway.com>  
Address: 2200 Ringwood Ave San Jose, CA 95131 USA



Please scan the QR code to access additional product information:  
**RBCK1 Rabbit pAb**