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# Datasheet for ABIN4913528 anti-RBCK1 antibody (AA 251-350)

Image



### Overview

Quantity:	100 µL
Target:	RBCK1
Binding Specificity:	AA 251-350
Reactivity:	Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This RBCK1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Paraffin- embedded Sections) (IHC (p)), Immunocytochemistry (ICC), Immunohistochemistry (Frozen Sections) (IHC (fro))

## Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human RBCK1/HBV associated factor 4
Isotype:	lgG
Cross-Reactivity:	Mouse
Predicted Reactivity:	Human,Rat,Dog,Cow,Sheep,Rabbit
Purification:	Purified by Protein A.

# Target Details

Target:

#### RBCK1

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Target Details	
Alternative Name:	RBCK1 (RBCK1 Products)
Background:	Synonyms: XAP3, XAP4, HOIL1, PBMEI, PGBM1, RBCK2, RNF54, HOIL-1, ZRANB4, C20orf18,
	UBCE7IP3, RanBP-type and C3HC4-type zinc finger-containing protein 1, HBV-associated factor
	4, Heme-oxidized IRP2 ubiquitin ligase 1, Hepatitis B virus X-associated protein 4, RING finger
	protein 54, Ubiquitin-conjugating enzyme 7-interacting protein 3, RBCK1
	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.
Gene ID:	10616
UniProt:	Q9BYM8
Application Details	
Application Notes:	WB 1:300-5000
	ELISA 1:500-1000
	IHC-P 1:200-400
	IHC-F 1:100-500
	IF(IHC-P) 1:50-200
	IF(IHC-F) 1:50-200
	IF(ICC) 1:50-200

Restrictions:

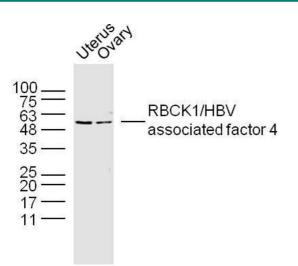
For Research Use only

ICC 1:100-500

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Format:	Liquid
Concentration:	1 μg/μL
Buffer:	0.01M TBS( pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months

Images



#### Western Blotting

**Image 1.** Lane 1: Mouse uterus lysate, Lane 2: mouse overy lysate probed with RBCK1 Polyclonal Antibody, unconjugated at 1:300 overnight at 4°C followed by a conjugated secondary antibody for 60 minutes at 37°C.