



## Rabbit Anti-RBCK1/HBV associated factor 4 antibody

SL19761R

<b>Product Name:</b>	RBCK1/HBV associated factor 4
<b>Chinese Name:</b>	乙型肝炎X病毒相关蛋白4抗体
<b>Alias:</b>	XAP3; XAP4; HOIL1; PBMEI; PGBM1; RBCK2; RNF54; HOIL-1; ZRANB4; C20orf18; UBCE7IP3; Chromosome 20 open reading frame 18; HBV associated factor 4; HBV-associated factor 4; Heme-oxidized IRP2 ubiquitin ligase 1; Hepatitis B virus X associated protein 4; Hepatitis B virus X-associated protein 4; HOIL 1L; HOIL-1L; HOIL1; HOIL1L; RanBP type and C3HC4 type zinc finger containing 1; RanBP-type and C3HC4-type zinc finger-containing protein 1; RBCC protein interacting with PKC1; Rbck1; RBCK2; RING finger protein 54; RNF54; UB713_HUMAN; UBCE7IP3; Ubiquitin conjugating enzyme 7 interacting protein 3; Ubiquitin-conjugating enzyme 7-interacting protein 3.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human, Mouse, Rat, Dog, Cow, Rabbit, Sheep,
<b>Applications:</b>	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	56kDa
<b>Cellular localization:</b>	The nucleus
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human RBCK1/HBV associated factor 4:251-350/510
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized

	antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	<p>The protein encoded by this gene is similar to mouse UIP28/UbcM4 interacting protein. Alternative splicing has been observed at this locus, resulting in distinct isoforms. [provided by RefSeq, Jul 2008]</p> <p><b>Function:</b> Acts as an E3 ubiquitin-protein ligase, or as part of an E3 complex, 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 polyubiquitin chains in a head-to-tail manner to substrates. LUBAC conjugates linear polyubiquitin to IKBKG at 'Lys-285' and 'Lys-309' and is involved in activation of the canonical NF-kappa-B and the JNK signaling pathways. 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. Binds polyubiquitin of different linkage types.</p> <p><b>Subcellular Location:</b> Forms homodimers in vitro (By similarity). Component of the LUBAC complex (linear ubiquitin chain assembly complex) which consists of SHARPIN, RBCK1 and RNF31. LUBAC has a MW of approximative 600 kDa suggesting a heteromultimeric assembly of its subunits. Interacts with beta-I-type (PRKCB1) and zeta-type protein kinase C (PRKCZ) and with UBE2L3. Interacts with PRKCH. Interacts with the HBV pX/HBx protein, which is required to activate transcription of the viral genome. Isoform 1 and isoform 2 interact with IREB2 only in iron-rich conditions. Associates with the TNF-R1 signaling complex (TNF-RSC) in a stimulation-dependent manner. Interacts with EYA1, TAB2, TAB3, MAP3K7 TRAF6 and RIPK1. Interacts with IRF3.</p> <p><b>Post-translational modifications:</b> Auto-ubiquitinated. Auto-ubiquitination leads to degradation by the proteasome. Phosphorylated. In vitro, phosphorylation inhibits auto-ubiquitination activity.</p> <p><b>DISEASE:</b> The disease is caused by mutations affecting the gene represented in this entry. Disease description:A disease characterized by polyglucosan storage myopathy associated with early-onset progressive muscle weakness and progressive dilated cardiomyopathy, which may necessitate cardiac transplant in severe cases. Some patients present with severe immunodeficiency, invasive bacterial infections and chronic autoinflammation.</p>

**Similarity:**

Contains 1 B box-type zinc finger.  
Contains 1 RanBP2-type zinc finger.  
Contains 1 RING-type zinc finger.  
Contains 1 ubiquitin-like domain.

**SWISS:**

Q9BYM8

**Gene ID:**

10616

**Database links:**

[Entrez Gene: 10616](#) Human

[Entrez Gene: 24105](#) Mouse

[Oimim: 610924](#) Human

[SwissProt: Q9BYM8](#) Human

[SwissProt: Q9WUB0](#) Mouse

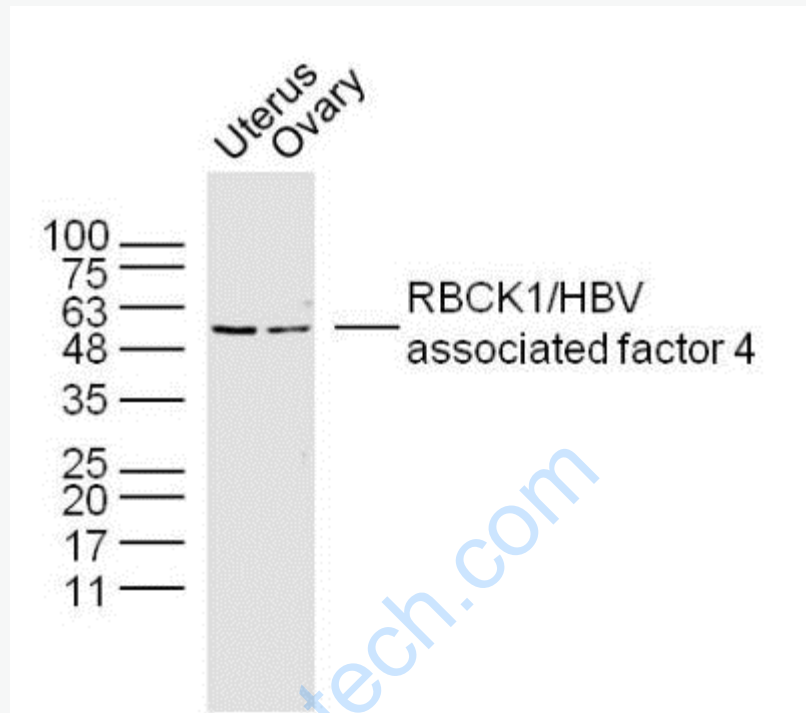
[Unigene: 247280](#) Human

[Unigene: 182145](#) Mouse

**Important Note:**

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Picture:



Sample:

Uterus(mouse) Lysate at 40 ug

ovary(mouse) Lysate at 40 ug

Primary: Anti-RBCK1/HBV associated factor 4 (SL19761R) at 1/300 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 56 kD

Observed band size: 56 kD