

Product datasheet

Recombinant Human RBCK1 protein ab161073

1 Image

Overview

Product name	Recombinant Human RBCK1 protein
Protein length	Protein fragment

Description

Nature	Recombinant
Source	Wheat germ
Amino Acid Sequence	
Species	Human
Sequence	TATPDGREDQERLWVSVEDAQMHTVTIWLTVRPDMT VASLKDMVFLDYGF PPVLQQWVIGQRLARDQETLHSHGVRQNGDSAYLYLL SARNTSLNPQ
Amino acids	3 to 99
Tags	proprietary tag N-Terminus

Specifications

Our [Abpromise guarantee](#) covers the use of **ab161073** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	Western blot ELISA
Form	Liquid
Additional notes	Protein concentration is above or equal to 0.05 mg/ml.

Preparation and Storage

Stability and Storage	Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles. pH: 8.00 Constituents: 0.31% Glutathione, 0.79% Tris HCl
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General Info

Function

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.

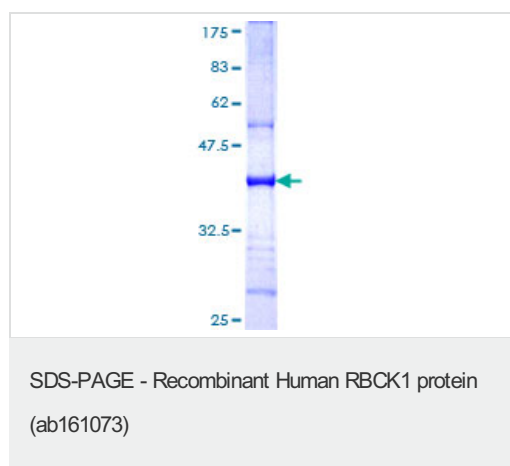
Sequence similarities

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

Post-translational modifications

Auto-ubiquitinated. Auto-ubiquitination leads to degradation by the proteasome.
Phosphorylated. In vitro, phosphorylation inhibits auto-ubiquitination activity.

Images



ab161073 on a 12.5% SDS-PAGE stained with Coomassie Blue.

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