

KLHDC2 Polyclonal Antibody

catalog number: E-AB-93134

Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

Description

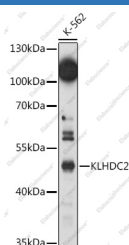
Reactivity	Human
Immunogen	Recombinant fusion protein of human KLHDC2
Host	Rabbit
Isotype	Rabbit IgG
Purification	Affinity purification
Buffer	Phosphate buffered solution, pH 7.4, containing 0.05% stabilizer and 50% glycerol.

Applications

Recommended Dilution

WB	1:500-1:2000
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Data



Western blot analysis of extracts of K-562 cells using KLHDC2 Polyclonal Antibody at 1:1000 dilution.

Observed-MW:46 kDa

Calculated-MW:28 kDa/46 kDa

Preparation & Storage

Storage	Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.
Shipping	The product is shipped with ice pack, upon receipt, store it immediately at the temperature recommended.

Background

Substrate-recognition component of a Cul2-RING (CRL2 E3 ubiquitin-protein ligase complex of the DesCEND (destruction via C-end degrons pathway, which recognizes a C-degron located at the extreme C terminus of target proteins, leading to their ubiquitination and degradation. The C-degron recognized by the DesCEND pathway is usually a motif of less than ten residues and can be present in full-length proteins, truncated proteins or proteolytically cleaved forms. The CRL2(KLHDC2 complex specifically recognizes proteins with a diglycine (Gly-Gly at the C-terminus, leading to their ubiquitination and degradation. The CRL2(KLHDC2 complex mediates ubiquitination and degradation of truncated SELENOK and SELENOS selenoproteins produced by failed UGA/Sec decoding, which end with a diglycine. The CRL2(KLHDC2 complex also recognizes proteolytically cleaved proteins ending with Gly-Gly, such as the N-terminal fragment of USP1, leading to their degradation. May also act as an indirect repressor of CREB3-mediated transcription by interfering with CREB3-DNA-binding.

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Toll-free: 1-888-852-8623
Web: www.elabscience.com

Tel: 1-832-243-6086
Email: techsupport@elabscience.com

Fax: 1-832-243-6017

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