

KLHDC10 Antibody (Center) Blocking peptide
Synthetic peptide
Catalog # BP10073c**Specification**

KLHDC10 Antibody (Center) Blocking peptide - Product Information

Primary Accession [O6PID8](#)
Other Accession [NP_055812.1](#)

KLHDC10 Antibody (Center) Blocking peptide - Additional Information

Gene ID 23008

Other Names

Kelch domain-containing protein 10, KLHDC10, KIAA0265

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

KLHDC10 Antibody (Center) Blocking peptide - Protein Information

Name KLHDC10 {ECO:0000303|PubMed:23102700, ECO:0000312|HGNC:HGNC:22194}

Function

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 (PubMed:29779948, PubMed:33909987). 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 (PubMed:29779948, PubMed:33909987, PubMed:39548056). The CRL2(KLHDC10) complex specifically recognizes proteins with a proline-glycine (Pro-Gly) or an alanine tail (CAT tail) at the C-terminus, leading to their ubiquitination and degradation (PubMed:29779948, PubMed:33909987). The CRL2(KLHDC10) complex is involved in the ribosome-associated quality control (RQC) pathway, which mediates the extraction of incompletely synthesized nascent chains from stalled ribosomes: CRL2(KLHDC10) acts downstream of NEMF and recognizes CAT tails associated with

stalled nascent chains, leading to their ubiquitination and degradation (PubMed:33909987). Participates in the oxidative stress-induced cell death through MAP3K5 activation (PubMed:23102700). Inhibits PPP5C phosphatase activity on MAP3K5 (PubMed:23102700). Acts as a regulator of necroptosis (By similarity).

Cellular Location

Nucleus. Cytoplasm

KLHDC10 Antibody (Center) Blocking peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

KLHDC10 Antibody (Center) Blocking peptide - Images