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KLHDC1 Antibody (N-term) Blocking peptide

Synthetic peptide
Catalog # BP10855a

Specification

KLHDC1 Antibody (N-term) Blocking peptide - Product Information

Primary Accession	Q8N7A1

KLHDC1 Antibody (N-term) Blocking peptide - Additional Information

Gene ID 122773

Other Names
Kelch domain-containing protein 1, KLHDC1

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.

KLHDC1 Antibody (N-term) Blocking peptide - Protein Information

Name KLHDC1 {ECO:0000303|PubMed:16964437, ECO:0000312|HGNC:HGNC:19836}

Function
Substrate-recognition component of a Cul5-RING (CRL5) 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:32200094). 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:32200094). The CRL5(KLHDC1) complex mediates ubiquitination and degradation of truncated SELENOS selenoprotein produced by failed UGA/Sec decoding, which ends with a glycine (PubMed:32200094).

Cellular Location
Cytoplasm, cytosol

Tissue Location
Widely expressed, with high levels in skeletal muscle, pancreas and liver. Undetectable in peripheral blood leukocytes.

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KLHDC1 Antibody (N-term) Blocking peptide - Protocols

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

- Blocking Peptides

KLHDC1 Antibody (N-term) Blocking peptide - Images

KLHDC1 Antibody (N-term) Blocking peptide - Background

KLHDC1 contains 6 Kelch repeats and is widely expressed, with high levels in skeletal muscle, pancreas and liver. KLHDC1 and KLHDC2 have differential localization and activity in cultured mammalian cells. The exact function of KLHDC1 remains unknown.

KLHDC1 Antibody (N-term) Blocking peptide - References

Feng, T., et al. Hum. Genet. 128(3):269-280(2010)Chin, K.T., et al. Mol. Cell. Biochem. 296 (1-2), 109-119 (2007) :