

## 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:<a href="http://www.uniprot.org/citations/32200094" target="\_blank">32200094</a>). 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:<a href="http://www.uniprot.org/citations/32200094" target="\_blank">32200094</a>). The CRL5(KLHDC1) complex mediates ubiquitination and degradation of truncated SELENOS selenoprotein produced by failed UGA/Sec decoding, which ends with a glycine (PubMed:<a href="http://www.uniprot.org/citations/32200094" target=" blank">32200094</a>).

# **Cellular Location**

Cytoplasm, cytosol

#### **Tissue Location**

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



## 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):