

KBTBD5 Antibody (Center) Blocking peptide
Synthetic peptide
Catalog # BP10428c**Specification**

KBTBD5 Antibody (Center) Blocking peptide - Product Information

Primary Accession [Q2TBA0](#)
Other Accession [NP_689606.2](#)

KBTBD5 Antibody (Center) Blocking peptide - Additional Information

Gene ID 131377

Other Names

Kelch-like protein 40, Kelch repeat and BTB domain-containing protein 5, Sarcosynapsin, KLHL40, KBTBD5, SRYP

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.

KBTBD5 Antibody (Center) Blocking peptide - Protein Information

Name KLHL40 ([HGNC:30372](#))

Function

Substrate-specific adapter of a BCR (BTB-CUL3-RBX1) E3 ubiquitin ligase complex that acts as a key regulator of skeletal muscle development (PubMed: [23746549](http://www.uniprot.org/citations/23746549)). The BCR(KLHL40) complex acts by mediating ubiquitination and degradation of TFDP1, thereby regulating the activity of the E2F:DP transcription factor complex (By similarity). Promotes stabilization of LMOD3 by acting as a negative regulator of LMOD3 ubiquitination; the molecular process by which it negatively regulates ubiquitination of LMOD3 is however unclear (By similarity).

Cellular Location

Cytoplasm {ECO:0000250|UniProtKB:Q9D783}. Cytoplasm, myofibril, sarcomere, A band
Cytoplasm, myofibril, sarcomere, I band {ECO:0000250|UniProtKB:Q9D783}

Tissue Location

Highly expressed in fetal (19, 23 and 31 weeks of gestation) and adult skeletal muscle; expression levels tend to be higher in fetal compared to postnatal muscles (at protein level). Also expressed

in fetal and adult heart.

KBTBD5 Antibody (Center) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

KBTBD5 Antibody (Center) Blocking peptide - Images

KBTBD5 Antibody (Center) Blocking peptide - References

Gerhard, D.S., et al. Genome Res. 14 (10B), 2121-2127 (2004) :