

KBTBD10 Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP16445b**Specification**

KBTBD10 Antibody (C-term) Blocking Peptide - Product InformationPrimary Accession [O60662](#)**KBTBD10 Antibody (C-term) Blocking Peptide - Additional Information****Gene ID** 10324**Other Names**

Kelch-like protein 41, Kel-like protein 23, Kelch repeat and BTB domain-containing protein 10, Kelch-related protein 1, Sarcosin, KLHL41, KBTBD10, KRP1

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.

KBTBD10 Antibody (C-term) Blocking Peptide - Protein Information**Name** KLHL41**Synonyms** KBTBD10, KRP1**Function**

Involved in skeletal muscle development and differentiation. Regulates proliferation and differentiation of myoblasts and plays a role in myofibril assembly by promoting lateral fusion of adjacent thin fibrils into mature, wide myofibrils. Required for pseudopod elongation in transformed cells.

Cellular Location

Cytoplasm. Cytoplasm, cytoskeleton {ECO:0000250|UniProtKB:A2AUC9}. Cell projection, pseudopodium {ECO:0000250|UniProtKB:Q9ER30}. Cell projection, ruffle {ECO:0000250|UniProtKB:Q9ER30}. Cytoplasm, myofibril, sarcomere, M line {ECO:0000250|UniProtKB:A2AUC9} Sarcoplasmic reticulum membrane Endoplasmic reticulum membrane Note=Predominantly cytoplasmic but can colocalize with F-actin at the membrane ruffle-like structures at the tips of transformation-specific pseudopodia.

Tissue Location

Sarcomeric muscle.

KBTBD10 Antibody (C-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

KBTBD10 Antibody (C-term) Blocking Peptide - Images

KBTBD10 Antibody (C-term) Blocking Peptide - Background

KBTBD10 is required for pseudopod elongation in transformed cells. Substrate-specific adapter of an E3 ubiquitin-protein ligase complex which mediates the ubiquitination and subsequent proteasomal degradation of target proteins.

KBTBD10 Antibody (C-term) Blocking Peptide - References

Foster, L.J., et al. J. Proteome Res. 5(1):64-75(2006)Lim, D.S., et al. J. Am. Coll. Cardiol. 38(4):1175-1180(2001)Spence, H.J., et al. Oncogene 19(10):1266-1276(2000)Taylor, A., et al. Mol. Cell. Biochem. 183 (1-2), 105-112 (1998) :