

LDB3 Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP17020c**Specification**

LDB3 Antibody (Center) Blocking Peptide - Product InformationPrimary Accession [O75112](#)**LDB3 Antibody (Center) Blocking Peptide - Additional Information****Gene ID** 11155**Other Names**

LIM domain-binding protein 3, Protein cypher, Z-band alternatively spliced PDZ-motif protein, LDB3
(http://www.genenames.org/cgi-bin/gene_symbol_report?hgnc_id=15710)
target="_blank">HGNC:15710)

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.

LDB3 Antibody (Center) Blocking Peptide - Protein Information**Name** LDB3 ([HGNC:15710](#))**Function**

May function as an adapter in striated muscle to couple protein kinase C-mediated signaling via its LIM domains to the cytoskeleton.

Cellular Location

Cytoplasm, perinuclear region. Cell projection, pseudopodium. Cytoplasm, cytoskeleton. Cytoplasm, myofibril, sarcomere, Z line. Note=Localized to the cytoplasm around nuclei and pseudopodia of undifferentiated cells and detected throughout the myotubes of differentiated cells. Colocalizes with ACTN2 at the Z-lines

Tissue Location

Expressed primarily in skeletal muscle and to a lesser extent in heart. Also detected in brain and placenta

LDB3 Antibody (Center) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

LDB3 Antibody (Center) Blocking Peptide - Images

LDB3 Antibody (Center) Blocking Peptide - Background

This gene encodes a PDZ domain-containing protein. PDZ motifs are modular protein-protein interaction domains consisting of 80-120 amino acid residues. PDZ domain-containing proteins interact with each other in cytoskeletal assembly or with other proteins involved in targeting and clustering of membrane proteins. The protein encoded by this gene interacts with alpha-actinin-2 through its N-terminal PDZ domain and with protein kinase C via its C-terminal LIM domains. The LIM domain is a cysteine-rich motif defined by 50-60 amino acids containing two zinc-binding modules. This protein also interacts with all three members of the myozenin family. Mutations in this gene have been associated with myofibrillar myopathy and dilated cardiomyopathy. Alternatively spliced transcript variants encoding different isoforms have been identified; all isoforms have N-terminal PDZ domains while only longer isoforms (1, 2 and 5) have C-terminal LIM domains. [provided by RefSeq].

LDB3 Antibody (Center) Blocking Peptide - References

Lechuga, S., et al. Exp. Cell Res. 316(19):3124-3139(2010) Zimmerman, R.S., et al. Genet. Med. 12(5):268-278(2010) Vihola, A., et al. Acta Neuropathol. 119(4):465-479(2010) Rampersaud, E., et al. Ann. Hum. Genet. 74(2):110-116(2010) Aurino, S., et al. Acta Myol 27, 90-97 (2008) :