

PDLIM3 Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP18851b

Specification

PDLIM3 Antibody (C-term) Blocking Peptide - Product Information

Primary Accession [Q53GG5](#)

PDLIM3 Antibody (C-term) Blocking Peptide - Additional Information

Gene ID 27295

Other Names

PDZ and LIM domain protein 3,
Actinin-associated LIM protein,
Alpha-actinin-2-associated LIM protein,
PDLIM3, ALP

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.

PDLIM3 Antibody (C-term) Blocking Peptide - Protein Information

Name PDLIM3

Synonyms ALP

Function

May play a role in the organization of actin filament arrays within muscle cells.

Cellular Location

Cytoplasm, myofibril, sarcomere, Z line.
Note=Localizes to myofiber Z-lines

PDLIM3 Antibody (C-term) Blocking Peptide - Background

The protein encoded by this gene contains a PDZ domain and a LIM domain, indicating that it may be involved in cytoskeletal assembly. In support of this, the encoded protein has been shown to bind the spectrin-like repeats of alpha-actinin-2 and to colocalize with alpha-actinin-2 at the Z lines of skeletal muscle. This gene is found near a region of chromosome 4 that has been implicated in facioscapulohumeral muscular dystrophy, but this gene does not appear to be involved in the disease. Two transcript variants encoding different isoforms have been found for this gene.

PDLIM3 Antibody (C-term) Blocking Peptide - References

Hershberger, R.E., et al. Clin Transl Sci 1(1):21-26(2008)
Keira, Y., et al. Neurosci. Res. 57(4):513-521(2007)
Arola, A.M., et al. Mol. Genet. Metab. 90(4):435-440(2007)
Klaavuniemi, T., et al. J. Biol. Chem. 279(25):26402-26410(2004)
Bouju, S., et al. Neuromuscul. Disord. 9(1):3-10(1999)

Tissue Location

Isoform 1 is highly expressed in differentiated skeletal muscle. Isoform 2 is heart-specific

PDLIM3 Antibody (C-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)