

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

**Specification**

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**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

**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](#)

**PDLIM3 Antibody (C-term) Blocking Peptide - Images****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)