



## PDLIM3 Antibody (C-term) Blocking Peptide

Synthetic peptide Catalog # BP18851b

## **Specification**

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

Primary Accession <u>O53GG5</u>

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

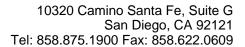
## PDLIM3 Antibody (C-term) Blocking Peptide - Background

The protein encoded by this gene contains a PDZ domain anda LIM domain, indicating that it may be involved in cytoskeletalassembly. In support of this, the encoded protein has been shown tobind the spectrin-like repeats of alpha-actinin-2 and to colocalizewith alpha-actinin-2 at the Z lines of skeletal muscle. This geneis found near a region of chromosome 4 that has been implicated infacioscapulohumeral muscular dystrophy, but this gene does notappear to be involved in the disease. Two transcript variantsencoding 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