

**PDLIM3 Antibody (C-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP18851b**

**Specification**

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**PDLIM3 Antibody (C-term) - Product Information**

Application	WB,E
Primary Accession	<a href="#">O53GG5</a>
Other Accession	<a href="#">NP_001107579.1</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	39232
Antigen Region	329-355

**PDLIM3 Antibody (C-term) - 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

**Target/Specificity**

This PDLIM3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 329-355 amino acids from the C-terminal region of human PDLIM3.

**Dilution**

WB~~1:1000

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

PDLIM3 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**PDLIM3 Antibody (C-term) - 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**

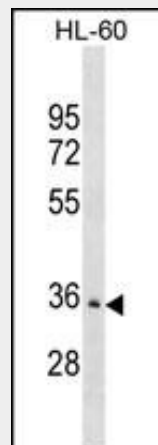
Isoform 1 is highly expressed in differentiated skeletal muscle. Isoform 2 is heart-specific

**PDLIM3 Antibody (C-term) - Protocols**

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

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



PDLIM3 Antibody (C-term)(Cat. #AP18851b) western blot analysis in HL-60 cell line lysates (35ug/lane). This demonstrates the PDLIM3 antibody detected the PDLIM3 protein (arrow).

**PDLIM3 Antibody (C-term) - 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) - 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)