

**PDLIM3 Polyclonal Antibody**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP58062**

**Specification**

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**PDLIM3 Polyclonal Antibody - Product Information**

Application	IHC-P, IHC-F, IF, E
Primary Accession	<a href="#">Q53GG5</a>
Reactivity	Rat, Pig, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	39 KDa
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human PDLIM3
Epitope Specificity	301-364/364
Isotype	IgG
<b>Purity</b>	
affinity purified by Protein A	
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Cytoplasm, myofibril, sarcomere, Z line. Note=Localizes to myofiber Z-lines.
SIMILARITY	Contains 1 LIM zinc-binding domain.Contains 1 PDZ (DHR) domain.
SUBUNIT	Interacts with ACTN2.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

**Background Descriptions**

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. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. Aberrant alternative splicing of this gene may play a role in myotonic dystrophy.

**PDLIM3 Polyclonal Antibody - 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**

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

**Dilution**

IHC-P ~ N/A  
IHC-F ~ N/A  
IF ~ 1:50 ~ 200  
E ~ N/A

**Format**

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

**Storage**

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

**PDLIM3 Polyclonal Antibody - 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 Polyclonal Antibody - 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 Polyclonal Antibody - Images**