

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

Specification

PDLIM3 Polyclonal Antibody - Product Information

Application	IHC-P, IHC-F, IF, E
Primary Accession	Q53GG5
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
Purity	
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