

PDLIM3 Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP58062

Product Information

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| Application | IHC-P, IHC-F, IF, E |
| Primary Accession | Q53GG5 |
| Reactivity | Rat, Pig, Dog, Bovine |
| Host | Rabbit |
| Clonality | Polyclonal |
| Calculated MW | 39232 |
| 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. |

Additional Information

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| 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=1:100-500,IHC-F=1:100-500,IF=1:100-500,ELISA=1:5000-10000 |
| Format | 0.01M TBS(pH7.4) with 1% BSA, 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.

Protein Information

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| 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 |

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.