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PDLIM3 Rabbit pAb

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Catalog # AP58062

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q53GG5
Predicted	Rat, Pig, Dog, Human, Mouse, Rabbit, Horse
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.
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

Gene ID	27295
Other Names	PDZ and LIM domain protein 3, Actinin-associated LIM protein, Alpha-actinin-2-associated LIM protein, PDLIM3, ALP
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500,ELISA=1:5000-10000
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

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

Background

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