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PDLIM7 Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP54899

Product Information

Application	IHC-P, IHC-F, IF, ICC, E
Primary Accession	Q9NR12
Reactivity	Rat, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	49845

Additional Information

Gene ID	9260
Other Names	PDZ and LIM domain protein 7, LIM mineralization protein, LMP, Protein enigma, PDLIM7, ENIGMA
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,ICC=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	PDLIM7
Synonyms	ENIGMA
Function	May function as a scaffold on which the coordinated assembly of proteins can occur. May play a role as an adapter that, via its PDZ domain, localizes LIM-binding proteins to actin filaments of both skeletal muscle and nonmuscle tissues. Involved in both of the two fundamental mechanisms of bone formation, direct bone formation (e.g. embryonic flat bones mandible and cranium), and endochondral bone formation (e.g. embryonic long bone development). Plays a role during fracture repair. Involved in BMP6 signaling pathway (By similarity).
Cellular Location	Cytoplasm. Cytoplasm, cytoskeleton. Note=Colocalizes with RET to the cell periphery and in some cytoskeletal components. Colocalizes with TPM2 near the Z line in muscle. Colocalizes with TBX4 and TBX5 to actin filaments (By similarity).
Tissue Location	Isoform 1 and isoform 2 are expressed ubiquitously, however, isoform 2

predominates in skeletal muscle, isoform 1 is more abundant in lung, spleen, leukocytes and fetal liver

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