

PDLIM7 Rabbit pAb

Catalog # AP53652

Product Information

Primary Accession	Q9NR12
Host	Rabbit
Clonality	Polyclonal Antibody
Calculated MW	49845

Additional Information

Gene ID	9260
Other Names	PDZ and LIM domain protein 7, LIM mineralization protein, LMP, Protein enigma, PDLIM7, ENIGMA
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

Protein Information

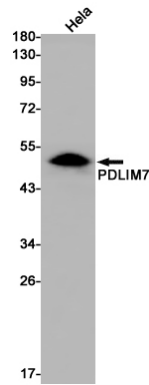
Name	PDLIM7
Synonyms	ENIGMA
Function	May function as a scaffold on which the coordinated assembly of proteins can occur. May play a role as an adapter that, via its PDZ domain, localizes LIM-binding proteins to actin filaments of both skeletal muscle and nonmuscle tissues. Involved in both of the two 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

Background

Swiss-Prot Acc.Q9NR12.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 .

Images



Western blot detection of PDLIM7 in HeLa cell lysates using PDLIM7 Rabbit pAb(1:1000 diluted). Predicted band size: 50kDa. Observed band size: 50kDa.

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