

**PDLIM7 Rabbit pAb**  
**Catalog # AP53652****Specification**

---

**PDLIM7 Rabbit pAb - Product Information**

Application	WB
Primary Accession	<a href="#">Q9NR12</a>
Host	Rabbit
Clonality	Polyclonal Antibody
Calculated MW	49845

**PDLIM7 Rabbit pAb - Additional Information****Gene ID** 9260**Other Names**

PDZ and LIM domain protein 7, LIM mineralization protein, LMP, Protein enigma, PDLIM7, ENIGMA

**Dilution**

WB~~1:1000

**PDLIM7 Rabbit pAb - 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**

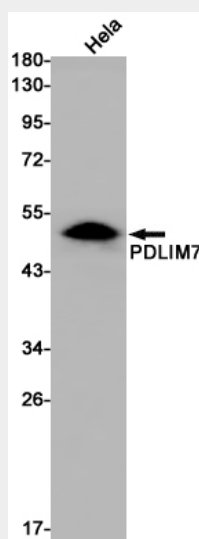
Isoform 1 and isoform 2 are expressed ubiquitously, however, isoform 2 predominates in skeletal muscle, isoform 1 is more abundant in lung, spleen, leukocytes and fetal liver

**PDLIM7 Rabbit pAb - 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](#)

#### **PDLIM7 Rabbit pAb - 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.

#### **PDLIM7 Rabbit pAb - 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 .