


Anti-PDLIM7 antibody ab86065

[1 References](#) [2 Images](#)

Overview

Product name	Anti-PDLIM7 antibody
Description	Rabbit polyclonal to PDLIM7
Host species	Rabbit
Tested applications	Suitable for: WB, IP
Species reactivity	Reacts with: Human Predicted to work with: Horse, Cow, Dog, Chimpanzee, Ferret, Rhesus monkey, Gorilla, Bat 
Immunogen	Synthetic peptide corresponding to a region between amino acids 125 and 175 of Human PDLIM7 (NP_005442.2)
Positive control	Hela cell lysate
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer	pH: 6.8 Preservative: 0.09% Sodium azide Constituents: 0.1% BSA, Tris buffered saline
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab86065 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/2000 - 1/10000. Predicted molecular weight: 50 kDa.
IP		Use at 2-5 µg/mg of lysate.

Target

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.

Tissue specificity

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.

Sequence similarities

Contains 3 LIM zinc-binding domains.
Contains 1 PDZ (DHR) domain.

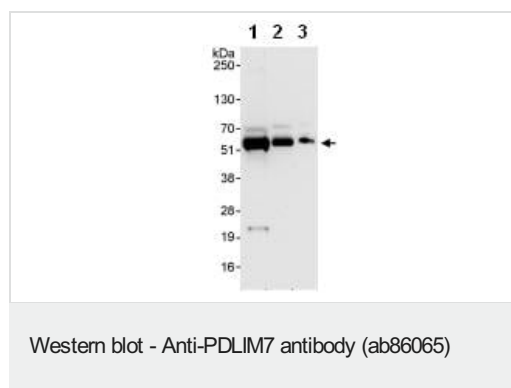
Domain

The LIM zinc-binding 2 (LIM 2) domain interacts with TBX4.
The LIM zinc-binding 3 (LIM 3) domain provides the structural basis for recognition of tyrosine-containing tight turn structures. This domain is necessary and sufficient for interaction with TBX5.
Anchored to cell periphery via its N-terminal PDZ domain.

Cellular localization

Cytoplasm. Cytoplasm > cytoskeleton. Colocalizes with RET to the cell periphery and in some cytoskeletal components. Colocalizes with TPM2 near the Z line in muscle. Co-localizes with TBX4 and TBX5 to actin filaments.

Images



All lanes : Anti-PDLIM7 antibody (ab86065) at 0.04 µg/ml

Lane 1 : Hela whole cell lysate at 50 µg

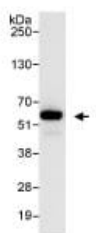
Lane 2 : Hela whole cell lysate at 15 µg

Lane 3 : Hela whole cell lysate at 5 µg

Developed using the ECL technique.

Predicted band size: 50 kDa

Exposure time: 30 seconds



Immunoprecipitation - Anti-PDLIM7 antibody
(ab86065)

Detection of PDLIM7 by Western blot of Immunoprecipitate.
ab86065, at 1 µg/ml, staining PDLIM7 in HeLa whole cell lysate
immunoprecipitated using ab86065 at 3 µg/mg lysate (1 mg/IP;
20% of IP loaded/lane).
Detection: Chemiluminescence with an exposure time of 3
seconds.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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