

PDLIM1 Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP50197

Specification

PDLIM1 Antibody - Product Information

Application	WB, IF, IHC
Primary Accession	O00151
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	36 KDa
Antigen Region	91-119

PDLIM1 Antibody - Additional Information

Gene ID 9124

Other Names

PDZ and LIM domain protein 1, C-terminal LIM domain protein 1, Elfin, LIM domain protein CLP-36, PDLIM1, CLIM1, CLP36

Dilution

WB~~ 1:1000

IF~~1:100

IHC~~1:50-1:100

Format

Rabbit IgG in phosphate buffered saline (without Mg²⁺ and Ca²⁺), pH 7.4, 150mM NaCl, 0.09% (W/V) sodium azide and 50% glycerol.

Storage Conditions

-20°C

PDLIM1 Antibody - Protein Information

Name PDLIM1

Synonyms CLIM1, CLP36

Function

Cytoskeletal protein that may act as an adapter that brings other proteins (like kinases) to the cytoskeleton (PubMed: 10861853). Involved in assembly, disassembly and directioning of stress fibers in fibroblasts. Required for the localization of ACTN1 and PALLD to stress fibers. Required for cell migration and in maintaining cell polarity of fibroblasts (By similarity).

Cellular Location

Cytoplasm. Cytoplasm, cytoskeleton. Cytoplasm, myofibril, sarcomere, Z line Note=Associates with actin stress fibers

Tissue Location

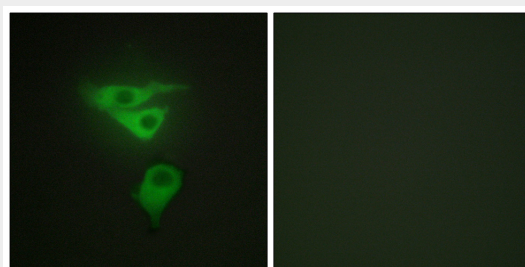
Strongly expressed in the heart and skeletal muscle, moderately expressed in the spleen, small intestine, colon, placenta, and lung. A lower level expression is seen in liver, thymus, kidney, prostate and pancreas and is not found in the brain, testis, ovary, and peripheral blood leukocytes

PDLIM1 Antibody - Protocols

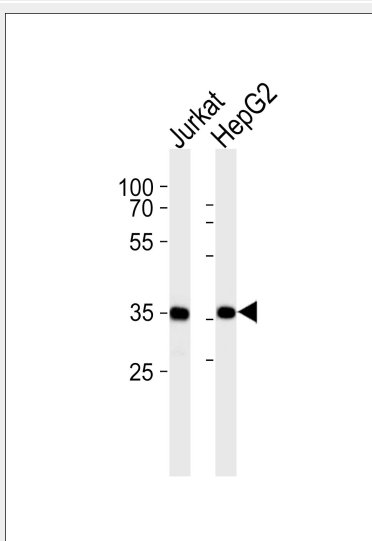
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

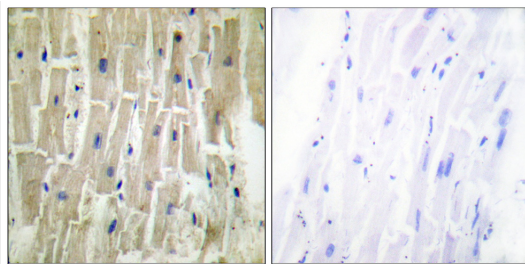
PDLIM1 Antibody - Images



Immunofluorescence analysis of HepG2 cells, using PDLIM1 antibody.



Western blot analysis of lysates from Jurkat, HepG2 cell line (from left to right), using PDLIM1 Antibody (C10012). C10012 was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L (HRP) at 1:5000 dilution was used as the secondary antibody. Lysates at 35 µg per lane.



Immunohistochemistry analysis of paraffin-embedded human heart tissue using PDLIM1 antibody.

PDLIM1 Antibody - Background

Cytoskeletal protein that may act as an adapter that brings other proteins (like kinases) to the cytoskeleton.

PDLIM1 Antibody - References

Kotaka M.,et al.J. Cell. Biochem. 72:279-285(1999).
Bauer K.,et al.Blood 96:4236-4245(2000).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Deloukas P.,et al.Nature 429:375-381(2004).
Gevaert K.,et al.Nat. Biotechnol. 21:566-569(2003).