

KD-Validated Anti-PDZ And LIM Domain 1 Rabbit Monoclonal Antibody Rabbit monoclonal antibody Catalog # AGI1672

Specification

KD-Validated Anti-PDZ And LIM Domain 1 Rabbit Monoclonal Antibody - Product Information

Application Primary Accession Reactivity Clonality Isotype Calculated MW	WB, FC <u>O00151</u> Rat, Human, Mouse Monoclonal Rabbit IgG Predicted, 36 kDa ; Observed, 36 kDa KDa
Gene Name Aliases	PDLIM1 PDLIM1; PDZ And LIM Domain 1; CLP36; CLP-36; HCLIM1; Elfin; CLIM1; Carboxyl Terminal LIM Domain Protein 1; PDZ And LIM Domain Protein 1; LIM Domain Protein CLP-36; Epididymis Secretory Protein Li
Immunogen	112; C-Terminal LIM Domain Protein 1; PDZ And LIM Domain 1 (Elfin); HEL-S-112 A synthesized peptide derived from human PDLIM1

KD-Validated Anti-PDZ And LIM Domain 1 Rabbit Monoclonal 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

KD-Validated Anti-PDZ And LIM Domain 1 Rabbit Monoclonal 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

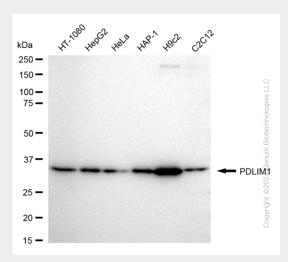
Strongly expressed in the heart and skeletal muscle, moderately expressed in the spleen, small intestine, colon, placenta, and lung. A lower level expression is seen in liver, thymus, kidney, prostate and pancreas and is not found in the brain, testis, ovary, and peripheral blood leukocytes

KD-Validated Anti-PDZ And LIM Domain 1 Rabbit Monoclonal Antibody - Protocols

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

- <u>Western Blot</u>
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- <u>Cell Culture</u>

KD-Validated Anti-PDZ And LIM Domain 1 Rabbit Monoclonal Antibody - Images

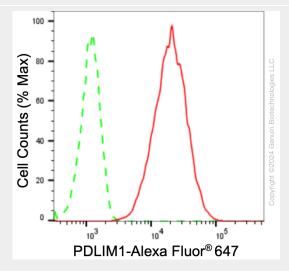


Western blotting analysis using anti-PDLIM1 antibody (Cat#AGI1672). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-PDLIM1 antibody (Cat#AGI1672, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.

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100 —				150 -				hn
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50 —		-	🗲 β-Tubulin	50 —				enuin
37 -				37 —	-		🗲 PC	2024 G
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20 -				20 —				pyrig



Western blotting analysis using anti-PDLIM1 antibody (Cat#AGI1672). PDLIM1 expression in wild type (WT) and PDLIM1 shRNA knockdown (KD) HeLa cells with 20 μ g of total cell lysates. β -Tubulin serves as a loading control. The blot was incubated with anti-PDLIM1 antibody (Cat#AGI1672, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



Flow cytometric analysis of PDLIM1 expression in HepG2 cells using anti-PDLIM1 antibody (Cat#AGI1672, 1:2,000). Green, isotype control; red, PDLIM1.