

Product Name: KD-Validated PDZ And LIM Domain 1 Recombinant Rabbit Monoclonal Antibody

Catalog #: KVA00928

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM,ICC,IHC-P
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Rabbit IgG
Clonality	Rabbit mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:1,000-1:5,000; FC 1:200-1:2,000; ICC 1:100-1:1,000; IHC-P 1:100-1:200
Molecular Weight	Calculated MW: 36.1kDa

Antigen Information

Gene Name	PDLIM1
Alternative Names	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 112; C-Terminal LIM Domain Protein 1; PDZ And LIM Domain 1 (Elfin); HEL-S-112
Gene ID	9124.0
SwissProt ID	O00151
Immunogen	A synthesized peptide derived from human PDLIM1

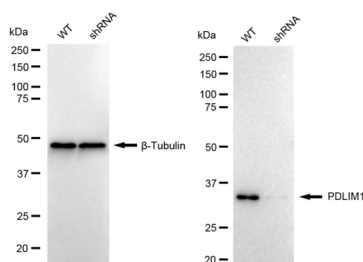
Background

This gene encodes a member of the enigma protein family. The protein contains two protein interacting domains, a PDZ domain at the amino terminal end and one to three LIM domains at the carboxyl terminal. It is a cytoplasmic protein associated with the cytoskeleton. The protein may function as an adapter to bring other LIM-interacting proteins to the cytoskeleton. Pseudogenes associated with this gene are located on chromosomes 3, 14 and 17. [provided by RefSeq, Oct 2012]

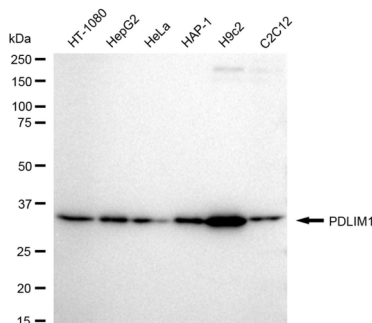
Research Area

Epigenetics and Nuclear Signaling, Cancer, Metabolism

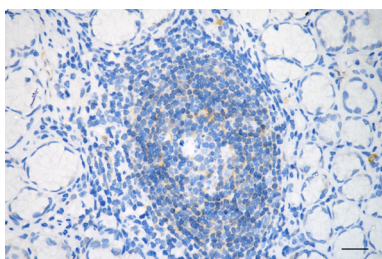
Image Data



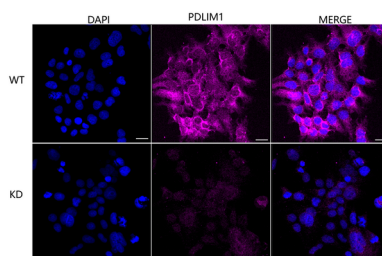
Western blotting analysis using PDLIM1 antibody (KVA00928). PDLIM1 expression in wild type (WT) and PDLIM1 shRNA knockdown (KD) HeLa cells with 20 μ g of total cell lysates. β -Tubulin serves as a loading control. The blot was incubated with PDLIM1 antibody (KVA00928, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



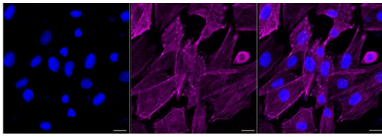
Western blotting analysis using PDLIM1 antibody (KVA00928). Total cell lysates (30 μ g) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with PDLIM1 antibody (KVA00928, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



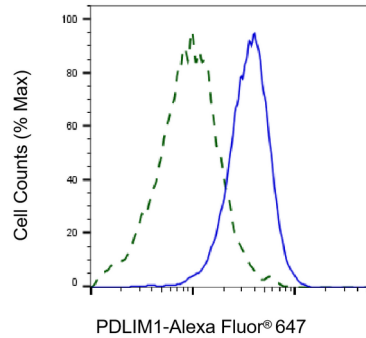
Immunohistochemistry was performed on paraffin-embedded human gastric carcinoma using PDLIM1 antibody (KVA00928, 1:200). Antigen retrieval was done in sodium citrate buffer (pH 6.0). DAB was used for detection, with hematoxylin counterstaining. Images were acquired using a Nikon Ci-L Plus microscope (40 $\times$ objective). Scale bar: 25 μ m.



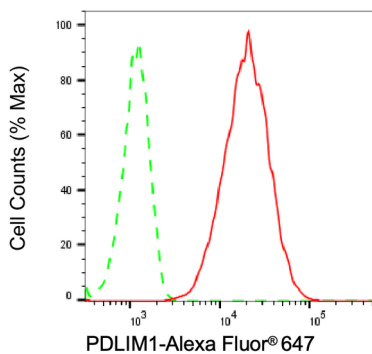
Immunocytochemical staining of HeLa cells using PDLIM1 antibody (KVA00928, 1:1,000). Top panel: wild-type (WT); Bottom panel: PDLIM1 shRNA knockdown (KD). Nuclei were stained blue with DAPI; PDLIM1 was stained magenta with Alexa Fluor[®] 647. Scale bar, 20 μ m.



Immunocytochemical staining of H9c2 cells with PDLIM1 antibody (KVA00928, 1:1,000). Nuclei were stained blue with DAPI; PDLIM1 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium. Scale bar, 20 μ m.



Validation of PDLIM1 knockdown using flow cytometry. Wild-type(WT, Blue) and knockdown(KD, Green) HeLa cells were stained with PDLIM1 antibody (KVA00928, 1:2,000) and analyzed using BD flow cytometer.



Flow cytometric analysis of PDLIM1 expression in HepG2 cells using PDLIM1 antibody (KVA00928, 1:2,000). Green, isotype control; red, PDLIM1.