

For Research Use Only

# PDLIM4 Recombinant antibody, PBS Only (Detector)

Catalog Number: 84117-1-PBS



## Basic Information

<b>Catalog Number:</b> 84117-1-PBS	<b>GenBank Accession Number:</b> BC016765	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 1 mg/ml	<b>GeneID (NCBI):</b> 8572	<b>CloneNo.:</b> 241401B3
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P50479	
<b>Isotype:</b> IgG	<b>Full Name:</b> PDZ and LIM domain 4	
<b>Immunogen Catalog Number:</b> AG13424	<b>Calculated MW:</b> 35 kDa	
	<b>Observed MW:</b> 35 kDa	

## Applications

**Tested Applications:**  
WB, IF/ICC, Cytometric bead array, Indirect ELISA

**Species Specificity:**  
human

## Background Information

PDLIM4, also known as RIL, is a member of the ALP/Enigma family. PDLIM4 contains one PDZ(DHR) domain and one LIM zinc-binding domain. The LIM zinc-binding domain interacts with the second and fourth PDZ domains of Fap-1, possibly resulting in the dephosphorylation of PDLIM4 (PMID: 21636573). PDLIM4 is involved in osteoblast development and function. The variation of the PDLIM4 locus may be an important determinant of osteoporosis (PMID:12908099).

## Storage

**Storage:**  
Store at -80°C.  
**The product is shipped with ice packs. Upon receipt, store it immediately at -80°C**

**Storage Buffer:**  
PBS Only

For technical support and original validation data for this product please contact:

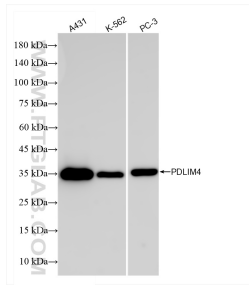
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

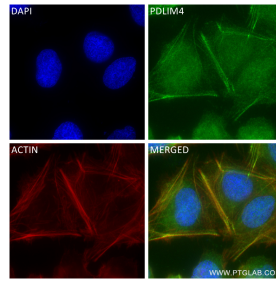
W: [ptgcn.com](http://ptgcn.com)

**This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.**

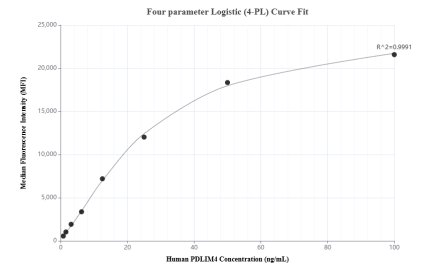
## Selected Validation Data



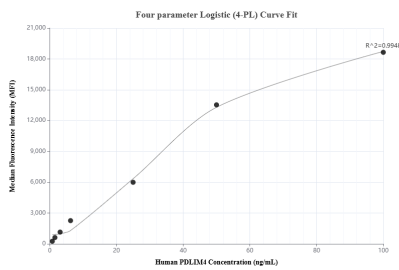
Various lysates were subjected to SDS PAGE followed by western blot with 84117-1-RR (PDLIM4 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 84117-1-PBS in a different storage buffer formulation.



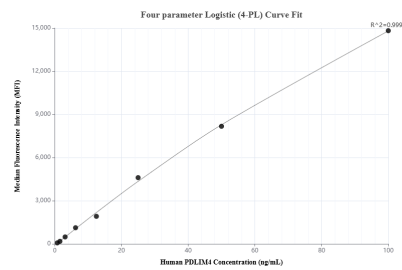
Immunofluorescent analysis of (4% PFA) fixed U2OS cells using PDLIM4 antibody (84117-1-RR, Clone: 241401B3) at dilution of 1:200 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red). This data was developed using the same antibody clone with 84117-1-PBS in a different storage buffer formulation.



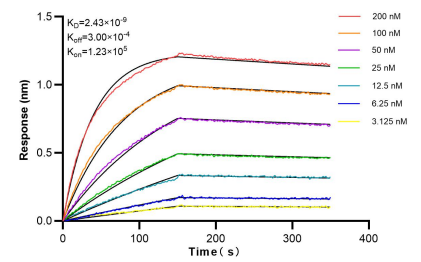
Cytometric bead array standard curve of MP01021-1, PDLIM4 Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 84117-4-PBS. Detection antibody: 84117-1-PBS. Standard: Ag13424. Range: 0.781-100 ng/mL.



Cytometric bead array standard curve of MP01021-2, PDLIM4 Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 84117-2-PBS. Detection antibody: 84117-1-PBS. Standard: Ag13424. Range: 0.781-100 ng/mL.



Cytometric bead array standard curve of MP01021-3, PDLIM4 Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 84117-3-PBS. Detection antibody: 84117-1-PBS. Standard: Ag13424. Range: 0.781-100 ng/mL.



Bi-layer interferometry (BLI) kinetic assays of 84117-1-RR against Human PDLIM4 were performed. The affinity constant is 2.43 nM.