

For Research Use Only

PDLIM4 Recombinant antibody

Catalog Number: 84117-1-RR



Basic Information

Catalog Number: 84117-1-RR	GenBank Accession Number: BC016765	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 8572	CloneNo.: 241401B3
Source: Rabbit	UNIPROT ID: P50479	Recommended Dilutions: WB 1:5000-1:50000 IF/ICC 1:50-1:500
Isotype: IgG	Full Name: PDZ and LIM domain 4	
Immunogen Catalog Number: AG13424	Calculated MW: 35 kDa	
	Observed MW: 35 kDa	

Applications

Tested Applications: WB, IF/ICC, ELISA	Positive Controls: WB : A431 cells, K-562 cells, PC-3 cells IF/ICC : U2OS cells,
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 -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

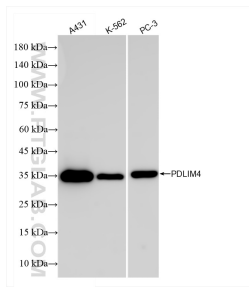
For technical support and original validation data for this product please contact:

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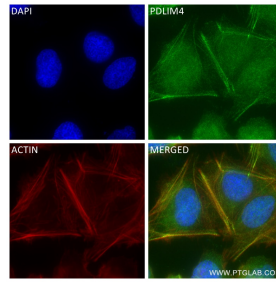
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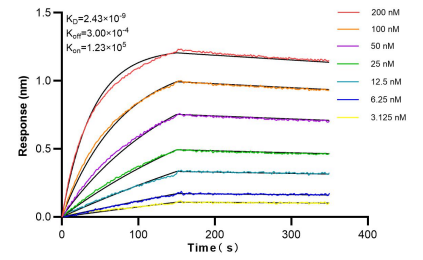
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 84117-1-RR (PDLM4 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed U2OS cells using PDLM4 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).



Bi-layer interferometry (BLI) kinetic assays of 84117-1-RR against Human PDLM4 were performed. The affinity constant is 2.43 nM.