

For Research Use Only

PDLIM4 Polyclonal antibody

Catalog Number: 18543-1-AP



Basic Information

Catalog Number: 18543-1-AP	GenBank Accession Number: BC016765	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 350 ug/ml by Nanodrop and 187 ug/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 8572	Recommended Dilutions: WB 1:1000-1:6000
Source: Rabbit	UNIPROT ID: P50479	IHC 1:300-1:1200
Isotype: IgG	Full Name: PDZ and LIM domain 4	IF/ICC 1:200-1:800
Immunogen Catalog Number: AG13424	Calculated MW: 35 kDa	
	Observed MW: 35 kDa	

Applications

Tested Applications: WB, IHC, IF/ICC, ELISA	Positive Controls:
Species Specificity: human	WB : A431 cells, K-562 cells
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	IHC : human skin cancer tissue,
	IF/ICC : U2OS cells,

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

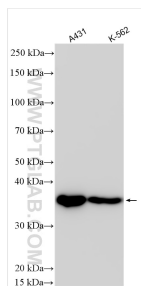
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

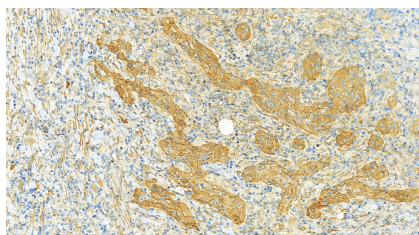
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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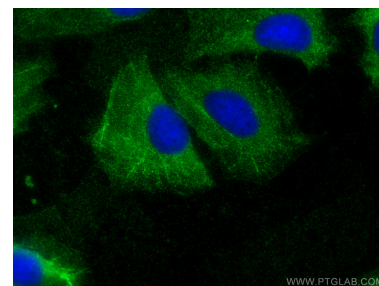
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 18543-1-AP (PDLIM4 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded skin cancer slide using 18543-1-AP (PDLIM4 antibody) at dilution of 1:600 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Methanol) fixed U2OS cells using PDLIM4 antibody (18543-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).