

For Research Use Only

PDLIM7 Polyclonal antibody

Catalog Number: 10221-1-AP

Featured Product

13 Publications



Basic Information

Catalog Number: 10221-1-AP	GenBank Accession Number: BC001093	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 800 µg/ml by Nanodrop and 400 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 9260	Recommended Dilutions: WB 1:1000-1:4000 IHC 1:20-1:200 IF 1:20-1:200
Source: Rabbit	Full Name: PDZ and LIM domain 7 (enigma)	
Isotype: IgG	Calculated MW: 55/60 kDa	
Immunogen Catalog Number: AG0264	Observed MW: 55 kDa	

Applications

Tested Applications: IF, IHC, IP, WB, ELISA	Positive Controls: WB : SKOV-3 cells, HeLa cells, MCF-7 cells
Cited Applications: IF, IHC, IP, WB	IHC : human ovary tumor tissue,
Species Specificity: human	IF : SKOV-3 cells,
Cited Species: human, mouse	
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

Background Information

PDLIM7 (PDZ and LIM domain protein 7), also known as ENIGMA or LIM mineralization protein 1 (LMP-1), is a member of PDZ-LIM proteins which function as scaffold to interact with multiple proteins through N-terminal PDZ domain and C-terminal LIM domain. Its LIM domains bind to proteins involved in mitogenic signaling, and it plays a role in tumorigenesis by promoting cancer cell invasion and metastasis. In addition, PDLIM7 is an essential positive regulator of osteoblast differentiation and maturation and bone formation.

Notable Publications

Author	Pubmed ID	Journal	Application
Michael D Healy	36302387	Structure	WB
Hui Liu	25336289	J Orthop Res	WB
Aron Gyuris	31242427	Cell Rep	WB

Storage

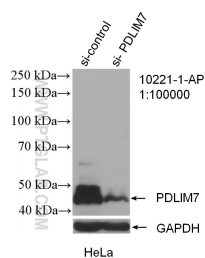
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

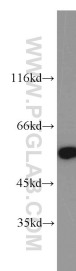
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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Selected Validation Data

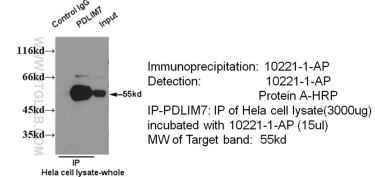


WB result of PDLIM7 antibody (10221-1-AP; 1:100000; incubated at room temperature for 1.5 hours) with sh-Control and sh-PDLIM7 transfected HeLa cells.

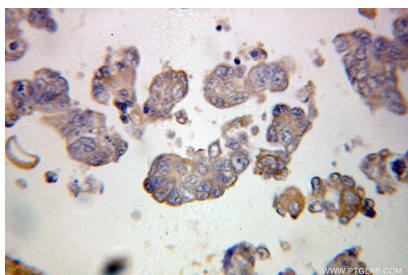


SKOV-3 cells were subjected to SDS PAGE followed by western blot with 10221-1-AP (PDLIM7 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.

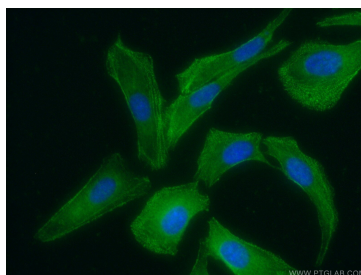
IP & WB of 10221-1-AP with HeLa cell



IP result of PDLIM7 antibody (10221-1-AP for IP and Detection) with HeLa cell lysate.



Immunohistochemical analysis of paraffin-embedded human ovary tumor using 10221-1-AP (PDLIM7 antibody) at dilution of 1:100 (under 25x lens).



Immunofluorescent analysis of (-20°C Ethanol) fixed SKOV-3 cells using 10221-1-AP (PDLIM7 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).