For Research Use Only

PDLIM7 Polyclonal antibody

Catalog Number:10221-1-AP Featured Product 13 Publications

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Basic Information

Catalog Number:
10221-1-AP

Size:
150ul , Concentration: 800 µg/ml by Nanodrop and 400 µg/ml by Bradford method using BSA as the standard;

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG0264

GenBank Accession Number:
BC001093

GeneID (NCBI):
9260

UNIPROT ID:
Q9NR12

Full Name:
PDZ and LIM domain 7 (enigma)

Calculated MW:
55/60 kDa

Observed MW:
55 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
WB 1:1000-1:4000
IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate
IHC 1:20-1:200
IF 1:50-1:500

Applications

Tested Applications:
WB, IP, IF, IHC, ELISA

Cited Applications:
WB, IP, IF, IHC

Species Specificity:
human

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

Positive Controls:

WB : SKOV-3 cells, HeLa cells, MCF-7 cells

IP : MCF-7 cells,

IHC : human ovary tumor tissue,

IF : SKOV-3 cells,

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

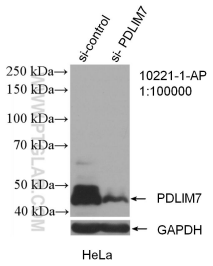
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

***** 20ul sizes contain 0.1% BSA**

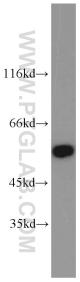
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

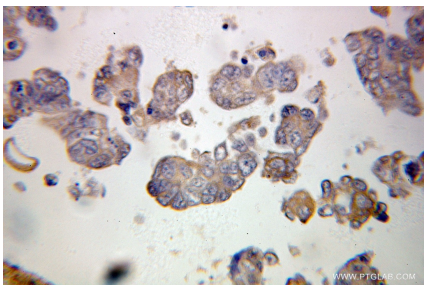
Selected Validation Data



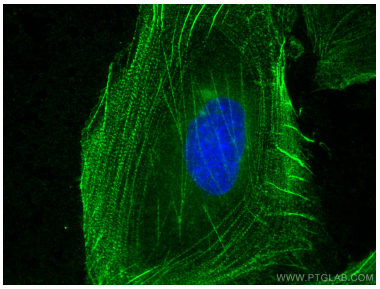
WB result of PDLIM7 antibody (10221-1-AP; 1:100000; incubated at room temperature for 1.5 hours) with sh-Control and sh-PDLIM7 transfected HeLa cells.



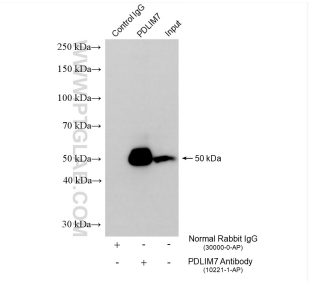
SKOV-3 cells were subjected to SDS PAGE followed by western blot with 10221-1-AP (PDLIM7 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



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 PDLIM7 antibody (10221-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



IP result of anti-PDLIM7 (IP:10221-1-AP, 4ug; Detection:10221-1-AP 1:20000) with MCF-7 cells lysate 1000 ug.