PDLIM1/CLP36
Polyclonal ANTIBODY
Catalog Number: 11674-1-AP

Basic Information
Catalog Number: 11674-1-AP
Size: 90 μg/150 μl
Source: Rabbit
Isotype: IgG
Purification Method: Antigen affinity purification
Immunogen Catalog Number: AG2274

Recommended Dilutions:
WB: 1:500-1:1000
IP: 0.5-4.0 μg for IP and 1:500-1:1000 for WB
IHC: 1:200-1:200
IF: 1:20-1:200

Applications
Tested Applications: FC, IF, IHC, IP, WB, ELISA
Cited Applications: IF, WB
Species Specificity:
human, mouse, rat
Cited Species:
human, mouse, rat

Note: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Background Information
PDLIM1, also named as CLIM1, CLP36, CLP56, KLIM1 and Elfin, is a member of the actinin-associated LIM protein (ALP)/enigma protein family, plays a role in neurite outgrowth in the peripheral nervous system. It is a cytoskeletal protein that may act as an adapter that brings other proteins (like kinases) to the cytoskeleton. PDLIM1 and PALLD formed a complex in the dorsal root ganglion (DRG) and PDLIM1 and PALLD were colocalized in the neurites and cell bodies of primary DRG neurons. PDLIM1 may interact with PALLD to influence neurite outgrowth during sciatic nerve regeneration. (PMID: 20381583)

Notable Publications
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<th>Author</th>
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<tr>
<td>Chao Liu</td>
<td>20086811</td>
<td>Autophagy</td>
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<td>Yongliang Yang</td>
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<td>Shiguo Li</td>
<td>27512143</td>
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Storage
Store at -20°C. Stable for one year after shipment.
Storage Buffer: PBS with 0.1% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage.

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (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**

Immunohistochemical analysis of paraffin-embedded human pancreas cancer using 11674-1-AP/PDLIM1/CLP36 antibody at dilution of 1:50 (under 10x lens).

Immunofluorescent analysis of MCF-7 cells, using PDLIM1 antibody 11674-1-AP at 1:50 dilution and Rhodamine-labeled goat anti-rabbit IgG (red). Blue pseudocolor = DAPI (fluorescent DNA dye).

Mouse lung tissue were subjected to SDS PAGE followed by western blot with 11674-1-AP PDLIM1/CLP36 antibody at dilution of 1:600 incubated at 4 degree celsius over night.

IP Result of anti-PDLIM1/CLP36 (IP:11674-1-AP, 3ug, Detection:11674-1-AP 1:600) with mouse heart tissue lysate 4000ug.

1X10^6 MCF-7 cells were stained with 0.2ug PDLIM1/CLP36 antibody (11674-1-AP, red) and control antibody (blue). Fixed with 90% MeOH blocked with 3% BSA (30 min). Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) with dilution 1:1000.