

For Research Use Only

PDLIM1/CLP36 Polyclonal antibody

Catalog Number: 11674-1-AP

Featured Product

9 Publications



Basic Information

Catalog Number:

11674-1-AP

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG2274

GenBank Accession Number:

BC000915

GeneID (NCBI):

9124

UNIPROT ID:

O00151

Full Name:

PDZ and LIM domain 1

Calculated MW:

329 aa, 36 kDa

Observed MW:

36 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB: 1:1000-1:6000

IP: 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC: 1:50-1:500

IF/ICC: 1:200-1:800

Applications

Tested Applications:

WB, IHC, IF/ICC, IP, ELISA

Cited Applications:

WB, IHC, IF

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse, rat

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: C2C12 cells, human lung tissue, human ileum tissue, mouse heart tissue, mouse lung

IP: mouse heart tissue,

IHC: human stomach cancer tissue,

IF/ICC: MCF-7 cells,

Background Information

PDLIM1, also named as CLIM1, CLP-36, CLP36, hCLIM1 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

Author	Pubmed ID	Journal	Application
Yusha Wang	31750630	EMBO Rep	WB
Chao Liu	26986811	Autophagy	WB,IF
Yongliang Shang	27310465	Autophagy	WB

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

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

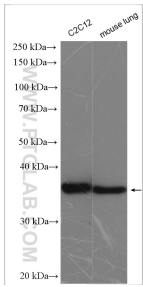
T: 4006900926

E: Proteintech-CN@ptglab.com

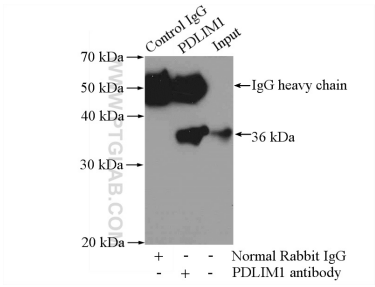
W: ptgcn.com

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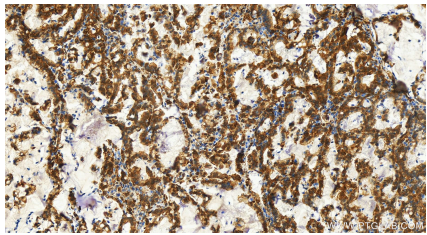
Selected Validation Data



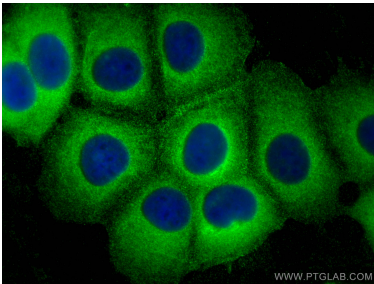
Various lysates were subjected to SDS PAGE followed by western blot with 11674-1-AP (PDLIM1/CLP36 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



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



Immunohistochemical analysis of paraffin-embedded human stomach cancer tissue slide using 11674-1-AP (PDLIM1/CLP36 antibody) at dilution of 1:200 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Methanol) fixed MCF-7 cells using PDLIM1/CLP36 antibody (11674-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).