

For Research Use Only

PDLIM5 Polyclonal antibody

Catalog Number: 10530-1-AP

Featured Product

11 Publications



Basic Information

Catalog Number:

10530-1-AP

Size:

150ul, Concentration: 350 ug/ml by Nanodrop and 213 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG0808

GenBank Accession Number:

BC008741

GeneID (NCBI):

10611

UNIPROT ID:

Q96HC4

Full Name:

PDZ and LIM domain 5

Calculated MW:

64 kDa

Observed MW:

63-68 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

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

IHC 1:50-1:500

Applications

Tested Applications:

WB, IHC, IP, ELISA

Cited Applications:

WB, IHC, IF, IP

Species Specificity:

human, mouse

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 : HeLa cells, A549 cells, HUVEC cells, NIH/3T3 cells

IP : A549 cells,

IHC : human stomach cancer tissue,

Background Information

PDLIM5 (PDZ and LIM domain 5), formerly known as enigma homolog (ENH), is a cytoplasmic protein containing PDZ domain and LIM domain at N terminus and C terminus, respectively. PDLIM5 gene generates several splicing variants, EZH1 to EZH4. The long isoform, ENH1, is widely expressed in various tissues including heart, brain, spleen, liver and kidney. In comparison, shorter isoforms that lack the LIM motifs are expressed in cardiac (ENH3) and skeletal muscle (ENH2, ENH3, and ENH4). ENH1 is essential for differentiation of striated muscles through interaction with other proteins. In addition, PDLIM5 is also involved in mood disorders, such as schizophrenia, bipolar disorder, and major depression. This antibody is specific to PDLIM5, and its specificity has been confirmed by siRNA test.

Notable Publications

Author	Pubmed ID	Journal	Application
Kento Takaya	36151111	Sci Rep	IHC
Xi Liu	29228678	Oncotarget	WB, IHC
Yanliang Li	25215606	Chem Biol Drug Des	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

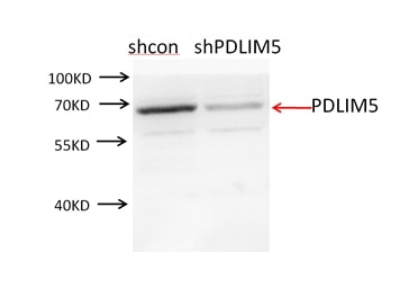
For technical support and original validation data for this product please contact:

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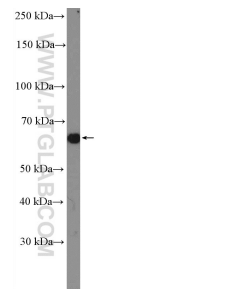
E: proteintech@ptglab.com
W: ptglab.com

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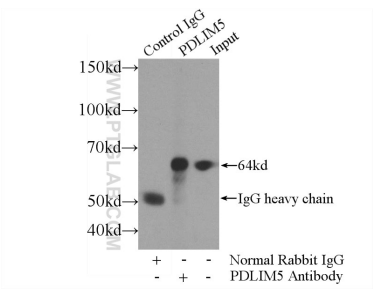
Selected Validation Data



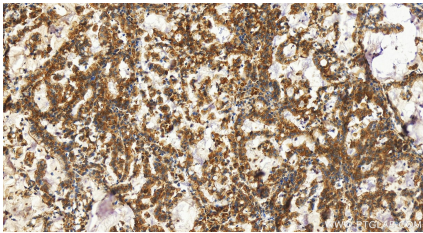
NIH3T3 cells were subjected to SDS PAGE followed by western blot with 10530-1-AP (PDLIM5 antibody) at dilution of 1:250.



HeLa cells were subjected to SDS PAGE followed by western blot with 10530-1-AP (PDLIM5 Antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



IP result of anti-PDLIM5 (IP:10530-1-AP, 4ug; Detection:10530-1-AP 1:300) with A549 cells lysate 2400ug.



Immunohistochemical analysis of paraffin-embedded human stomach cancer tissue slide using 10530-1-AP (PDLIM5 antibody) at dilution of 1:200 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).