

For Research Use Only

# PDLIM5 Polyclonal antibody

Catalog Number: 10530-1-AP

Featured Product

9 Publications



## Basic Information

<b>Catalog Number:</b> 10530-1-AP	<b>GenBank Accession Number:</b> BC008741	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 350 µg/ml by Nanodrop and 213 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 10611	<b>Recommended Dilutions:</b> WB 1:500-1:2000 IP 0.5-4.0 ug for IP and 1:200-1:1000 for WB
<b>Source:</b> Rabbit	<b>Full Name:</b> PDZ and LIM domain 5	<b>Calculated MW:</b> 64 kDa
<b>Isotype:</b> IgG	<b>Observed MW:</b> 63-68 kDa	<b>IHC 1:20-1:200</b>
<b>Immunogen Catalog Number:</b> AG0808		

## Applications

<b>Tested Applications:</b> IHC, IP, WB, ELISA	<b>Positive Controls:</b> WB : HeLa cells, A549 cells, HUVEC cells, NIH/3T3 cells
<b>Cited Applications:</b> IF, IHC, IP, WB	<b>IP :</b> A549 cells,
<b>Species Specificity:</b> human, mouse	<b>IHC :</b> human prostate cancer tissue,
<b>Cited Species:</b> human, rat, mouse	
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	

## 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

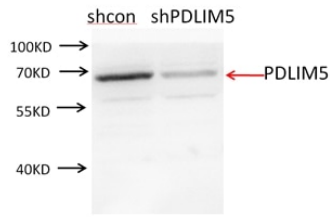
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

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

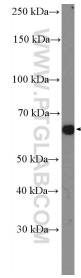
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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

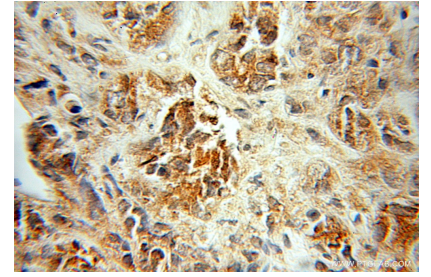
## Selected Validation Data



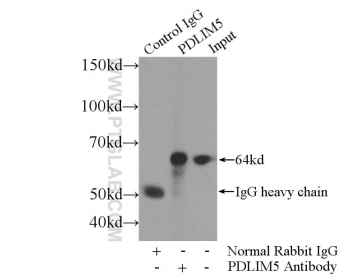
NIH3T3 cells were subjected to SDS PAGE followed by western blot with 10530-1-AP (PDLIM5 antibody) at dilution of 1:250.



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.



Immunohistochemical analysis of paraffin-embedded human prostate cancer using 10530-1-AP (PDLIM5 antibody) at dilution of 1:50 (under 10x lens).



IP Result of anti-PDLIM5 (IP:10530-1-AP, 4 $\mu$ g; Detection:10530-1-AP 1:300) with A549 cells lysate 2400 $\mu$ g.