

## PDLIM5 Polyclonal Antibody

Catalog number: 10530-1-AP

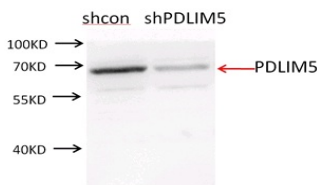
Size: 32 µg/150 µl

Source: Rabbit

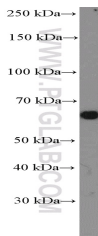
Isotype: IgG

Synonyms:

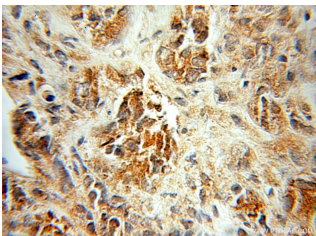
PDLIM5; ENH, ENH1, Enigma homolog, L9, LIM, PDLIM5, PDZ and LIM domain 5, PDZ and LIM domain protein 5



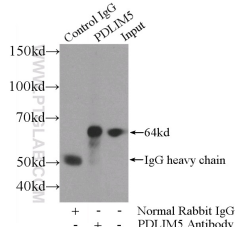
NIH3T3 cells were subjected to SDS PAGE followed by western blot with 10530-1-AP (PDLIM5 antibody) at dilution of 1:250. (Data provided by Angran Biotech (www.miRNAlab.com)).



HeLa cells were subjected to SDS PAGE followed by western blot with 10530-1-AP (PDLIM5 Antibody) at dilution of 1:1000



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



### Background

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.

### Applications

Tested applications:	ELISA, IHC, IP, WB
Cited applications:	WB
Species specificity:	Human, Mouse, Rat; other species not tested.
Cited species:	Human
Calculated PDLIM5 MW:	64 kDa
Observed PDLIM5 MW:	63-68 kDa
Positive WB detected in	HeLa cells, A549 cells, human liver tissue, NIH/3T3
Positive IP detected in	A549 cells
Positive IHC detected in	Human prostate cancer tissue
Recommended dilution:	WB: 1:500-1:5000 IP: 1:200-1:1000 IHC: 1:20-1:200

Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

### Immunogen information

Immunogen:	Ag0808
GenBank accession number:	BC008741
Gene ID (NCBI):	10611
Full name:	PDZ and LIM domain 5

### Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.1% sodium azide and 50% glycerol pH 7.3. Store at -20°C.

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