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**Product Name: PDLIM5 Rabbit Polyclonal Antibody****Catalog #: APRab15927**

For research use only.

**Summary**

|                      |   |
|----------------------|---|
| <b>Description</b>   | Rabbit polyclonal Antibody  |
| <b>Host</b>          | Rabbit  |
| <b>Application</b>   | WB,IHC  |
| <b>Reactivity</b>    | Human,Rat,Mouse   |
| <b>Conjugation</b>   | Unconjugated  |
| <b>Modification</b>  | Unmodified  |
| <b>Isotype</b>       | IgG   |
| <b>Clonality</b>     | Polyclonal  |
| <b>Form</b>          | Liquid  |
| <b>Concentration</b> | 1mg/ml  |
| <b>Storage</b>       | Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.                       |
| <b>Shipping</b>      | Ice bags  |
| <b>Buffer</b>        | Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N. |
| <b>Purification</b>  | Affinity purification   |

**Application**

|                         |                                |
|-------------------------|--------------------------------|
| <b>Dilution Ratio</b>   | WB 1:500-1:2000,IHC 1:50-1:300 |
| <b>Molecular Weight</b> | 64kDa                          |

**Antigen Information**

|                          |  |
|--------------------------|--|
| <b>Gene Name</b>         | PDLIM5   |
| <b>Alternative Names</b> | PDLIM5; ENH; L9; PDZ and LIM domain protein 5; Enigma homolog; Enigma-like PDZ and LIM domains protein |
| <b>Gene ID</b>           | 10611.0  |
| <b>SwissProt ID</b>      | Q96HC4   |
| <b>Immunogen</b>         | The antiserum was produced against synthesized peptide derived from human PDLIM5. AA range:208-257     |

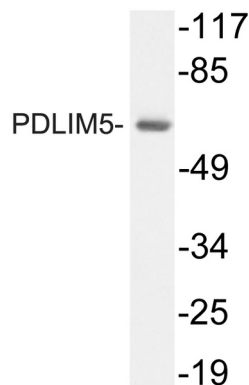
**Background**

This gene encodes a member of a family of proteins that possess a 100-amino acid PDZ domain at the N terminus and one to three LIM domains at the C-terminus. This family member functions as a scaffold protein that tethers protein kinases to the Z-disk in striated muscles. It is thought to function in cardiomyocyte expansion and in restraining postsynaptic growth of excitatory synapses. Alternative splicing of this gene results in multiple transcript variants. [provided by RefSeq, Jan 2012],caution:The sequence shown here is derived from an Ensembl automatic analysis pipeline and should be considered as preliminary data.,disease:May play a role in genetic susceptibility to schizophrenia. PDLIM5 is commonly increased in the brain of patients with bipolar disorder, schizophrenia, and major depression.,function:May play an important role in the heart development by scaffolding PKC to the Z-disk region.,similarity:Contains 1 PDZ (DHR) domain.,similarity:Contains 3 LIM zinc-binding domains.,subunit:Interacts with various PKC isoforms through the LIM domains. Interacts with actin and alpha-actinin through the PDZ domain.,tissue specificity:Heart and skeletal muscle specific.,

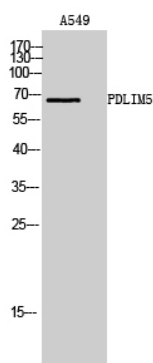
## Research Area

Neuroscience; Neurotransmission; Secretory Vesicles; Signal Transduction; Cytoskeleton / ECM; Cytoskeleton; Microfilaments; Actin etc; Actin Binding Proteins; Protein Phosphorylation; Ser / Thr Kinases; PKC; Signaling Pathway; Calcium Signaling

## Image Data



Western blot analysis of lysate from A549 cells, using PDLIM5 antibody.



Western Blot analysis of A549 cells using PDLIM5 Polyclonal Antibody