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# PDLIM5 antibody - N-terminal region
**Rabbit Polyclonal Antibody**
**Catalog # AI11462**

## Specification

### PDLIM5 antibody - N-terminal region - Product Information

| | |
|---|---|
| Application | **WB** |
| Primary Accession | Q96HC4 |
| Other Accession | NM_006457, NP_006448 |
| Reactivity | **Human, Mouse, Rat, Rabbit, Horse, Bovine, Dog** |
| Predicted | **Human, Mouse, Rat, Pig, Chicken, Horse, Bovine, Dog** |
| Host | **Rabbit** |
| Clonality | **Polyclonal** |
| Calculated MW | **64kDa KDa** |

### PDLIM5 antibody - N-terminal region - Additional Information

**Gene ID** 10611

| | |
|---|---|
| Alias Symbol | **ENH, ENH1, L9, LIM** |

**Other Names**
PDZ and LIM domain protein 5, Enigma homolog, Enigma-like PDZ and LIM domains protein, PDLIM5, ENH

**Format**
Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

**Reconstitution & Storage**
Add 50 ul of distilled water. Final anti-PDLIM5 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

**Precautions**
PDLIM5 antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

### PDLIM5 antibody - N-terminal region - Protein Information

**Name** PDLIM5 {ECO:0000303|PubMed:15346770, ECO:0000312|HGNC:HGNC:17468}

**Function**
May play an important role in the heart development by scaffolding PKC to the Z-disk region. May play a role in the regulation of cardiomyocyte expansion. Isoforms lacking the LIM domains may negatively modulate the scaffolding activity of isoform 1. Overexpression promotes the development of heart hypertrophy. Contributes to the regulation of dendritic spine morphogenesis in neurons. May be required to restrain postsynaptic growth of excitatory synapses. Isoform 1, but not isoform 2, expression favors spine thinning and elongation.

### Cellular Location
Postsynaptic density {ECO:0000250|UniProtKB:Q62920}. Presynapse {ECO:0000250|UniProtKB:Q62920}. Postsynapse {ECO:0000250|UniProtKB:Q62920}. Cytoplasm, cytosol {ECO:0000250|UniProtKB:Q62920}. Note=Detected both at presynaptic and postsynaptic sites, exclusively at excitatory synapses, but not inhibitory synapses, in hippocampal neurons {ECO:0000250|UniProtKB:Q62920}

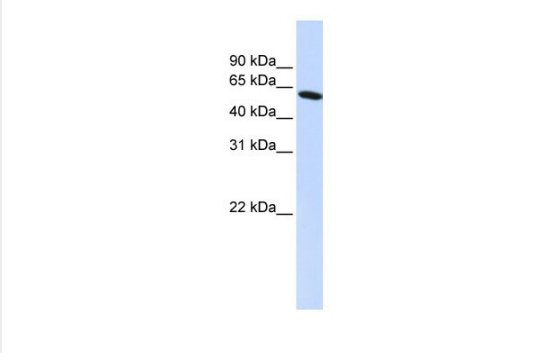
### Tissue Location
Heart and skeletal muscle specific. Expression is commonly increased in the brain of patients with bipolar disorder, schizophrenia, and major depression.

## PDLIM5 antibody - N-terminal region - Protocols

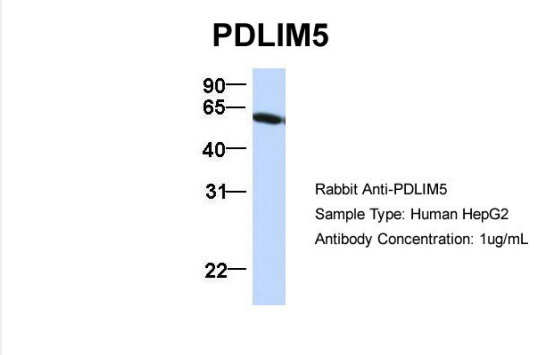
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

## PDLIM5 antibody - N-terminal region - Images




WB Suggested Anti-PDLIM5 Antibody Titration: 0.2-1 µg/ml
ELISA Titer: 1:312500
Positive Control: HepG2 cell lysate
There is BioGPS gene expression data showing that PDLIM5 is expressed in HepG2



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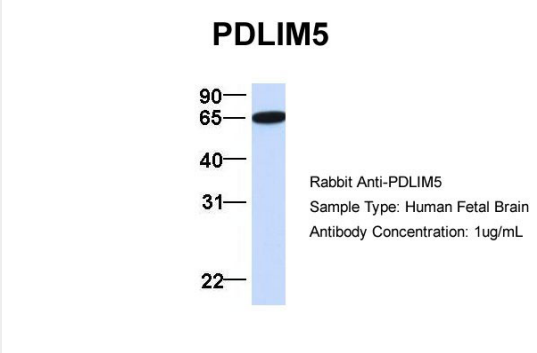
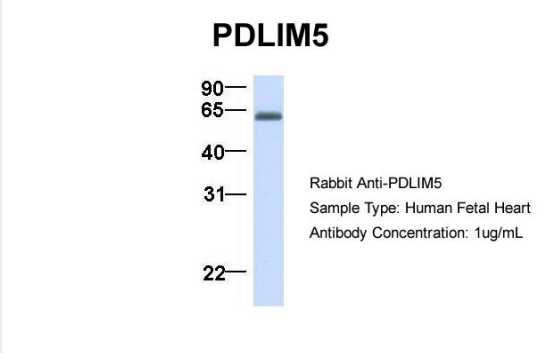
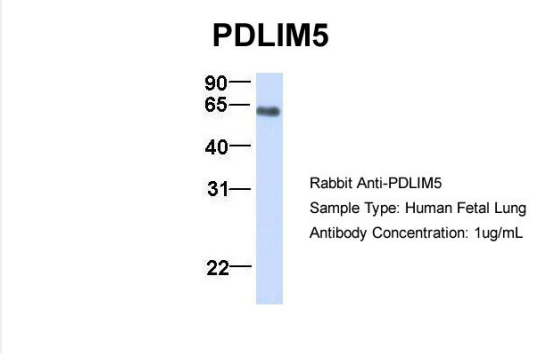
Host: Rabbit
Target Name: PDLIM5
Sample Tissue: HepG2
Antibody Dilution: 1.0µg/mlThere is BioGPS gene expression data showing that PDLIM5 is expressed in HepG2




Host: Rabbit
Target Name: PDLIM5
Sample Tissue: Human Fetal Brain
Antibody Dilution: 1.0µg/ml




Host: Rabbit
Target Name: PDLIM5
Sample Tissue: Human Fetal Heart
Antibody Dilution: 1.0µg/ml




Host: Rabbit
Target Name: PDLIM5
Sample Tissue: Human Fetal Lung
Antibody Dilution: 1.0µg/ml

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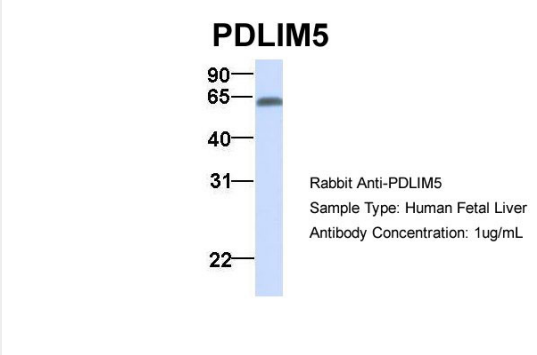
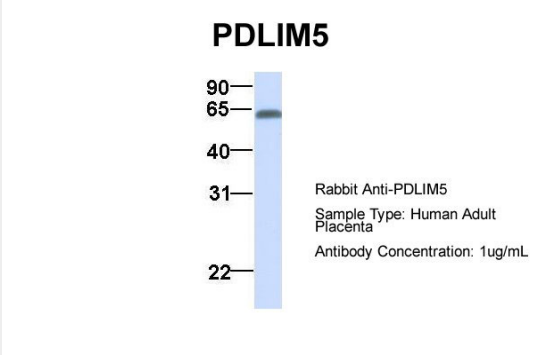
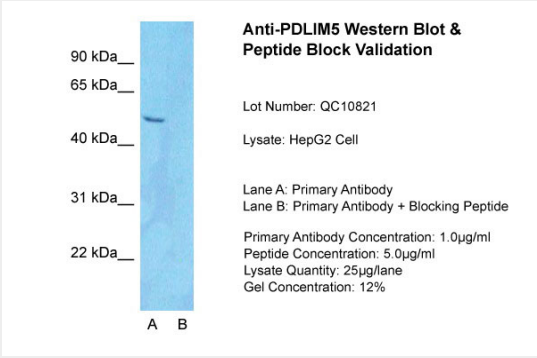



Host: Rabbit
Target Name: PDLIM5
Sample Tissue: Human Fetal Liver
Antibody Dilution: 1.0µg/ml




Host: Rabbit
Target Name: PDLIM5
Sample Tissue: Human Adult Placenta
Antibody Dilution: 1.0µg/ml




Host: Rabbit Target Name:PDLIM5 Sample Tissue:HepG2 Lane A: Primary Antibody Lane B: Primary Antibody + Blocking Peptide Primary Antibody Concentration:1ug/ml Peptide Concentration: 5.0 ug/ml Lysate Quantity: 25ug/lane/lane Gel Concentration: 12%There is BioGPS gene expression data showing that PDLIM5 is expressed in HepG2

**PDLIM5 antibody - N-terminal region - References**

Squassina,A., (2008) Psychiatr. Genet. 18 (3), 128-132 Reconstitution and Storage:For short term use, store at 2-8C up to 1 week. For long term storage, store at -20C in small aliquots to prevent freeze-thaw cycles.