

**PDLIM5 antibody - middle region**  
**Rabbit Polyclonal Antibody**  
**Catalog # AI10623****Specification****PDLIM5 antibody - middle region - Product Information**

Application	WB
Primary Accession	<a href="#">O96HC4</a>
Other Accession	<a href="#">NM_001011513</a> , <a href="#">NP_001011513</a>
Reactivity	Human, Mouse, Rat, Pig, Horse, Bovine, Dog
Predicted Host	Human, Mouse, Rat, Pig, Bovine, Dog
Clonality	Rabbit
Calculated MW	Polyclonal 54kDa KDa

**PDLIM5 antibody - middle region - Additional Information****Gene ID** 10611**Alias Symbol** L9, ENH, LIM, ENH1**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 100 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 - middle region is for research use only and not for use in diagnostic or therapeutic procedures.

**PDLIM5 antibody - middle 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 - middle 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 Cytometry](#)
- [Cell Culture](#)

