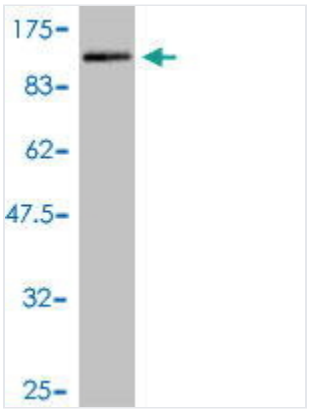
PDLIM5 Antibody – Mouse Monoclonal

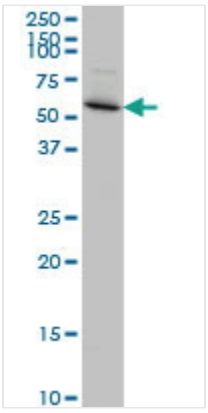
PRODUCT OVERVIEW

Product Name	PDLIM5, Monoclonal Antibody
Full Product Name	PDLIM5 (PDZ and LIM Domain Protein 5, Enigma Homolog, Enigma-like PDZ and LIM Domains Protein, ENH, L9) (HRP)
Product Gene Name	anti-PDLIM5 antibody
Clonality	Monoclonal
Isotype	IgG2a,k
Clone Number	3E11-F6
Host	Mouse
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with horseradish peroxidase (HRP).
Purity/Purification	Purified by Protein A Affinity Chromatography.
Specificity	Recognizes human PDLIM5.
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and stor
Molecular Weight	52,645 Da
Immunogen	Full length recombinant corresponding to aa1-596 from PDLIM5 (AAH08741) with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	MSNYSVSLVGPAPWGFRLQGGKDFNMPLTISSLKDGGKAAQANVRIGDVVLSIDGINAQGMTHLEAQNKIKGCTGSLNMTLQRASAAPKPEPVPVQKGE
Conjugate	HRP
Product Categories/Family for anti-PDLIM5 antibody	Antibodies; PDZ Domain
Applications Tested/Suitable for anti-PDLIM5 antibody	ELISA (EIA), Western Blot (WB)
Application Notes for anti-PDLIM5 antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-PDLIM5 antibody	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 expans
Other Notes	Small volumes of anti-PDLIM5 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If neces

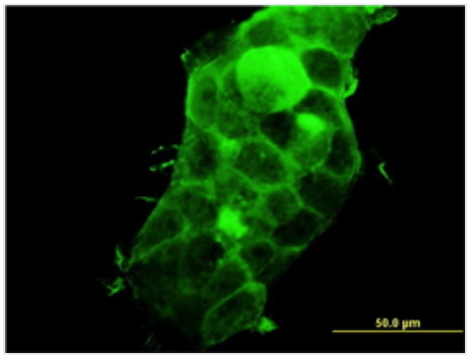
Searchable Terms for PDLIM5 purchase	MBS6154077 is an antibody targeting PDLIM5. Also known as PDLIM5 (PDZ and LIM Domain Protein 5, Enigma Homolog, Enigma-like PDZ and LIM



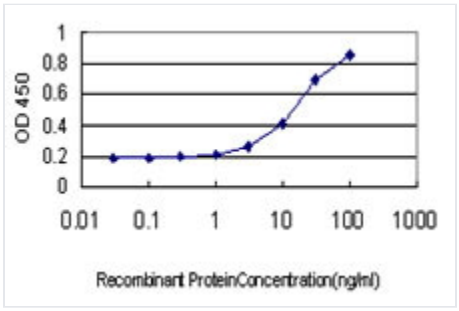
Western Blot (WB) of anti-PDLIM5 antibody
Western Blot detection against Immunogen (91.67kD).



Western Blot (WB) of anti-PDLIM5 antibody
PDLIM5 monoclonal antibody Western Blot analysis of PDLIM5 expression in A-431.



Immunofluorescence (IF) of anti-PDLIM5 antibody
Immunofluorescence of monoclonal antibody to PDLIM5 on A-431 cell. [antibody concentration 10ug/ml].



Testing Data of anti-PDLIM5 antibody
Detection limit for recombinant GST tagged PDLIM5 is ~3ng/ml as a capture antibody.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for PDLIM5. It may not necessarily be applicable to this product.

NCBI GI #	33869523
NCBI GeneID	10611
NCBI Accession #	BC008741
NCBI Related Accession #	AAH08741
UniProt Secondary Accession #	O60705; Q56VN4; Q5UW38; Q8WVK0; A8K6F9; D6RB78; E9PBF5
UniProt Related Accession #	Q96HC4
NCBI Official Full Name	Homo sapiens PDZ and LIM domain 5, mRNA
NCBI Official Synonym Full Names	PDZ and LIM domain 5
NCBI Official Symbol	PDLIM5
NCBI Official Synonym Symbols	L9; ENH; LIM; ENH1
Protein Family	PDZ and LIM domain protein
NCBI Protein Information	PDZ and LIM domain protein 5

NCBI Summary for PDLIM5	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]
Research Articles on PDLIM5	**1.** It can be deduced that the nonsynonymous rs7690296 polymorphism of PDLIM5 could play an important role in the pathophysiology of both bipolar disorder and schizophrenia.
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