

For Research Use Only

PDLIM5 Monoclonal antibody

Catalog Number: 67651-1-Ig



Basic Information

Catalog Number: 67651-1-Ig	GenBank Accession Number: BC008741	Purification Method: Euglobulin precipitation
Size: 150ul , Concentration: 1000 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 10611	CloneNo.: 1H9C9
Source: Mouse	Full Name: PDZ and LIM domain 5	Recommended Dilutions: WB 1:1000-1:6000
Isotype: IgM	Calculated MW: 64 kDa	
Immunogen Catalog Number: AG25059	Observed MW: 63-69 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : human heart tissue, human platelets
Species Specificity: Human	

Background Information

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.

Storage

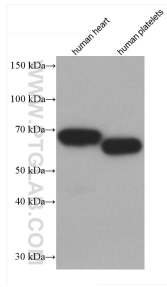
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 67651-1-Ig (PDLIM5 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.