

For Research Use Only

PDLIM5 Monoclonal antibody

Catalog Number: 67651-1-Ig



Basic Information

Catalog Number:

67651-1-Ig

Size:

1000 µg/ml

Source:

Mouse

Isotype:

IgM

Immunogen Catalog Number:

AG25059

GenBank Accession Number:

BC008741

GeneID (NCBI):

10611

UNIPROT ID:

Q96HC4

Full Name:

PDZ and LIM domain 5

Calculated MW:

64 kDa

Observed MW:

63-69 kDa

Purification Method:

Euglobulin precipitation

CloneNo.:

1H9C9

Recommended Dilutions:

WB 1:1000-1:6000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

Human

Positive Controls:

WB : human heart tissue, human platelets

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

For technical support and original validation data for this product please contact:

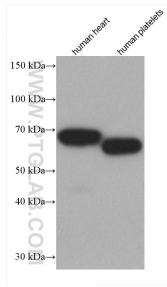
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

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.