Product Name: PDLIM7 Mouse Monoclonal Antibody
Catalog #: AMM82690
For research use only.

Summary

Description	Mouse monoclonal Antibody
Host	Mouse
Application	IHC,ICC,ELISA,FC
Reactivity	Human
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG1
Clonality	Monoclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Purified antibody in PBS with 0.05% sodium azide
Purification	Affinity Purification

Application

Dilution Ratio	IHC 1:200-1:1000,ICC 1:20-1:100,ELISA 1:5000-1:20000,FC 1:200-1:400
Molecular Weight	49.8kDa

Antigen Information

Gene Name	PDLIM7
Alternative Names	LMP1; LMP3
Gene ID	9260.0
SwissProt ID	Q9NR12
Immunogen	Purified recombinant fragment of human PDLIM7 (AA: 86-280) expressed in HEK293-6e cells supernatant.

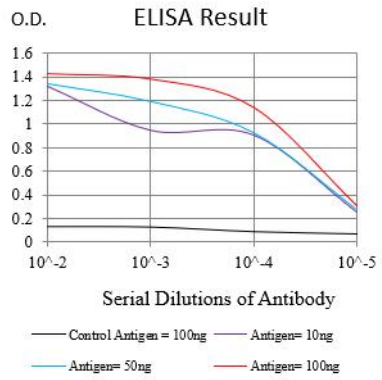
Background

The protein encoded by this gene is representative of a family of proteins composed of conserved PDZ and LIM domains. LIM domains are proposed to function in protein-protein recognition in a variety of contexts including gene transcription and

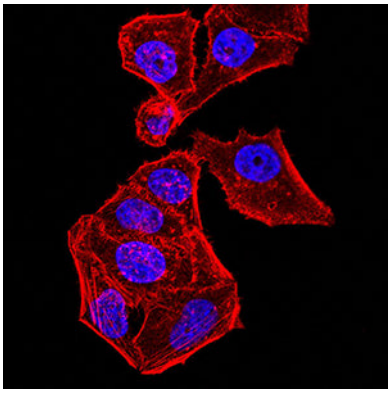
development and in cytoskeletal interaction. The LIM domains of this protein bind to protein kinases, whereas the PDZ domain binds to actin filaments. The gene product is involved in the assembly of an actin filament-associated complex essential for transmission of ret/ptc2 mitogenic signaling. The biological function is likely to be that of an adapter, with the PDZ domain localizing the LIM-binding proteins to actin filaments of both skeletal muscle and nonmuscle tissues. Alternative splicing of this gene results in multiple transcript variants.

Research Area

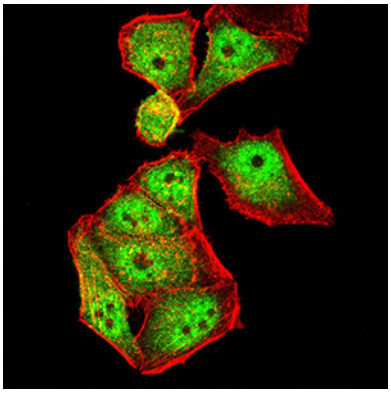
Image Data



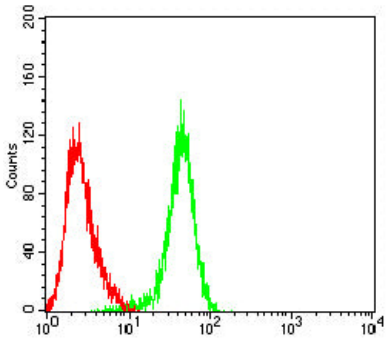
Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng)



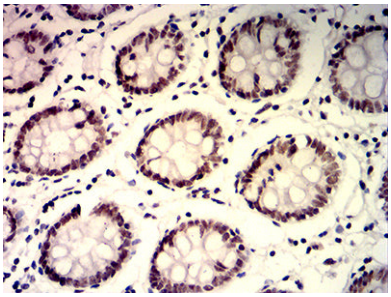
Immunofluorescence analysis of Hela cells using PDLIM7 mouse mAb. Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor- 555 phalloidin.



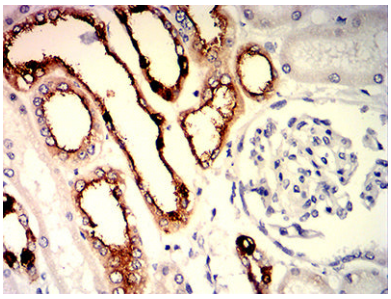
Immunofluorescence analysis of Hela cells using PDLIM7 mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor- 555 phalloidin.



Flow cytometric analysis of Jurkat cells using PDLIM7 mouse mAb (green) and negative control (red).



Immunohistochemical analysis of paraffin-embedded human colon tissues using PDLIM7 mouse mAb with DAB staining.



Immunohistochemical analysis of paraffin-embedded human kidney tissues using PDLIM7 mouse mAb with DAB staining.