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PDLIM7 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a full length recombinant PDLIM7.
Catalog # AT3264a

Product Information

Application	WB, IF, IP, E
Primary Accession	Q9NR12
Other Accession	BC001093
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG1 kappa
Clone Names	2D6
Calculated MW	49845

Additional Information

Gene ID	9260
Other Names	PDZ and LIM domain protein 7, LIM mineralization protein, LMP, Protein enigma, PDLIM7, ENIGMA
Target/Specificity	PDLIM7 (AAH01093.1, 1 a.a. ~ 457 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000 IF~~1:50~200 IP~~N/A E~~N/A
Format	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Precautions	PDLIM7 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

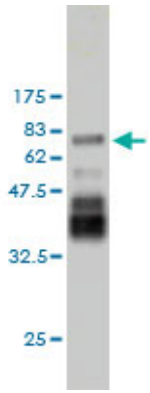
Background

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.

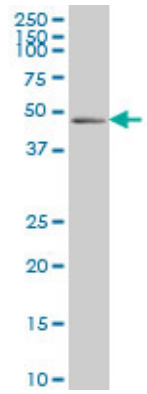
References

1.Postsynaptic PDLIM5/Enigma Homolog binds SPAR and causes dendritic spine shrinkage.Herrick S, Evers DM, Lee JY, Udagawa N, Pak DT.Mol Cell Neurosci. 2009 Nov 10. [Epub ahead of print]

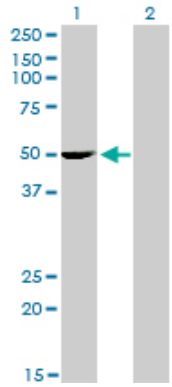
Images



Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (76.01 KDa) .

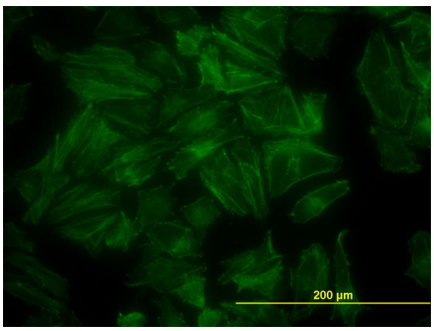


PDLIM7 monoclonal antibody (M01), clone 2D6 Western Blot analysis of PDLIM7 expression in Hela S3 NE ((Cat # AT3264a)



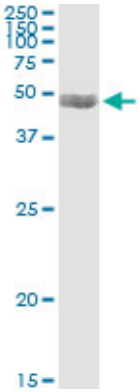
Western Blot analysis of PDLIM7 expression in transfected 293T cell line by PDLIM7 monoclonal antibody (M01), clone 2D6.

Lane 1: PDLIM7 transfected lysate(49.8 KDa).
Lane 2: Non-transfected lysate.

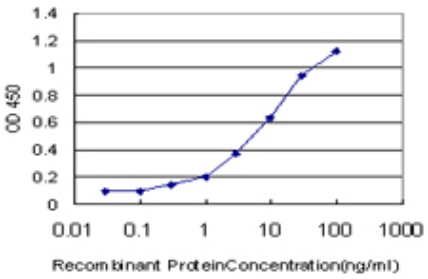


Immunofluorescence of monoclonal antibody to PDLIM7 on HeLa cell. [antibody concentration 10 ug/ml]

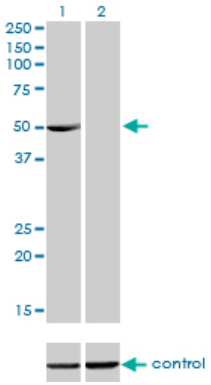
Immunoprecipitation of PDLIM7 transfected lysate using anti-PDLIM7 monoclonal antibody and Protein A



Magnetic Bead (U0007), and immunoblotted with PDLIM7 MaxPab rabbit polyclonal antibody.



Detection limit for recombinant GST tagged PDLIM7 is approximately 0.3ng/ml as a capture antibody.



Western blot analysis of PDLIM7 over-expressed 293 cell line, cotransfected with PDLIM7 Validated Chimera RNAi ((Cat # AT3264a)

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.