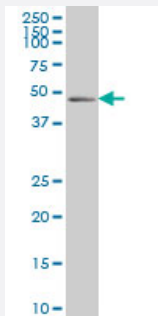


PDLIM7 monoclonal antibody (M01), clone 2D6

Catalog # H00009260-M01

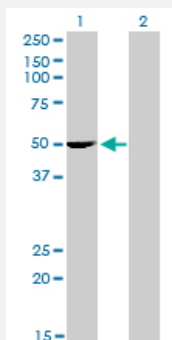
Size 100 ug

Applications



Western Blot (Cell lysate)

PDLIM7 monoclonal antibody (M01), clone 2D6 Western Blot analysis of PDLIM7 expression in Hela S3 NE (Cat # L013V3).

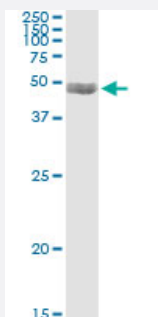


Western Blot (Transfected lysate)

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

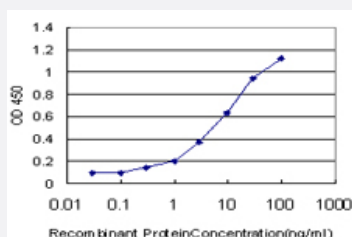
Lane 1: PDLIM7 transfected lysate(49.8 KDa).

Lane 2: Non-transfected lysate.



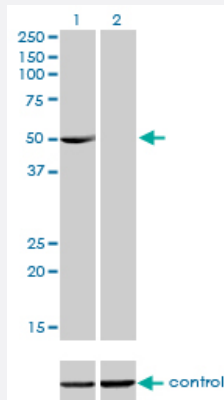
Immunoprecipitation

Immunoprecipitation of PDLIM7 transfected lysate using anti-PDLIM7 monoclonal antibody and Protein A Magnetic Bead, and immunoblotted with PDLIM7 MaxPab rabbit polyclonal antibody.



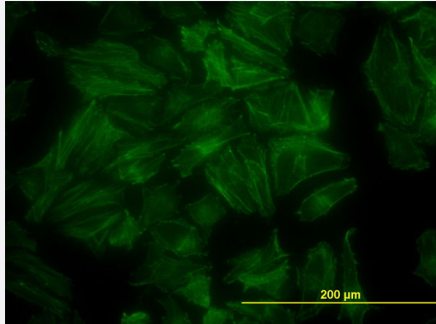
Sandwich ELISA (Recombinant protein)

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



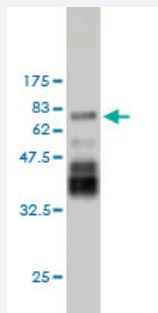
RNAi Knockdown (Antibody validated)

Western blot analysis of PDLIM7 over-expressed 293 cell line, cotransfected with PDLIM7 Validated Chimera RNAi (Cat # H00009260-R01V) (Lane 2) or non-transfected control (Lane 1). Blot probed with PDLIM7 monoclonal antibody (M01), clone 2D6 (Cat # H00009260-M01). GAPDH (36.1 kDa) used as specificity and loading control.



Immunofluorescence

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



Western Blot detection against Immunogen (76.01 KDa) .

Specification

Product Description

Mouse monoclonal antibody raised against a full length recombinant PDLIM7.

Immunogen

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.

Sequence

MDSFKVVLEGPAPWGFRLQGGKDFNVPLSISRLTPGGKAAQAGVAVGDWVLSIDGENAGSLTHI
EAQNKIRACGERLSLGLSRAQPVSQSKPQKASAPAADPPRYTFAPSVSLNKTARPFAGAPPPADSA
PQQNGQPLRPLVPDASKQRLMENTEDWRPRPGTGQSRFRILAHLTGTEFMQDPDEEHLKKSS
QVPRTEAPAPASSTPQEPWPGPTAPSPTSRRPPWAVDPAFAERYAPDKTSTVLTRHSQPATPTP
LQSRTSIVQAAAGGVPGGGSNNGKTPVCHQCHKVIRGRYLVALGHAYHPEEFVCSQCGKVLEEG
GFFEEKGAIFCPCPYDVRYPSCAKCKKITGEIMHALKMTWHVHCFTCAACKTPIRNRFAFYMEE
GVPYCERDYEKMFGTKCHGCDFKIDAGDRFLEALGFSWHDTCFVCAICQINLEGKTFYSKKDRPL
CKSHAFSHV

Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (93); Rat (94)
Isotype	IgG1 kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (76.01 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Cell lysate)

PDLIM7 monoclonal antibody (M01), clone 2D6 Western Blot analysis of PDLIM7 expression in Hela S3 NE (Cat # L013V3).

[Protocol Download](#)

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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.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Immunoprecipitation

Immunoprecipitation of PDLIM7 transfected lysate using anti-PDLIM7 monoclonal antibody and Protein A Magnetic Bead, and immunoblotted with PDLIM7 MaxPab rabbit polyclonal antibody.

[Protocol Download](#)

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

[Protocol Download](#)

- ELISA

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Western blot analysis of PDLIM7 over-expressed 293 cell line, cotransfected with PDLIM7 Validated Chimera RNAi (Cat # H00009260-R01V) (Lane 2) or non-transfected control (Lane 1). Blot probed with PDLIM7 monoclonal antibody (M01), clone 2D6 (Cat # H00009260-M01). GAPDH (36.1 kDa) used as specificity and loading control.

[Protocol Download](#)

- Immunofluorescence

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

Gene Info — PDLIM7

Entrez GeneID [9260](#)

GeneBank Accession# [BC001093](#)

Protein Accession# [AAH01093.1](#)

Gene Name PDLIM7

Gene Alias LMP1

Gene Description PDZ and LIM domain 7 (enigma)

Omim ID [605903](#)

Gene Ontology [Hyperlink](#)

Gene Summary

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. [provided by RefSeq]

Other Designations 1110003B01Rik|LIM domain protein|PDZ and LIM domain 7

Publication Reference

- [Postsynaptic PDLIM5/Enigma Homolog binds SPAR and causes dendritic spine shrinkage.](#)

Herrick S, Evers DM, Lee JY, Udagawa N, Pak DT.

Molecular and Cellular Neurosciences 2010 Feb; 43(2):188.

Application: IP, WB-Ce, WB-Ti, Rat, Brains, Hippocampal neurons