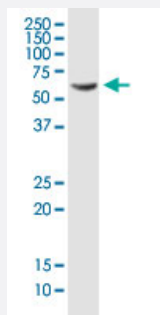


PDLIM5 monoclonal antibody (M01), clone 3E11-F6

Catalog # H00010611-M01

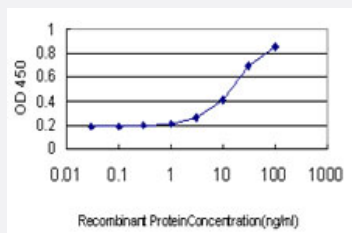
Size 100 ug

Applications



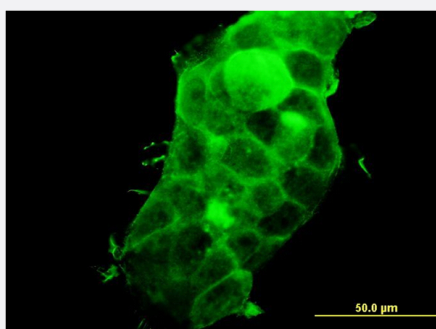
Western Blot (Cell lysate)

PDLIM5 monoclonal antibody (M01), clone 3E11-F6. Western Blot analysis of PDLIM5 expression in HepG2.



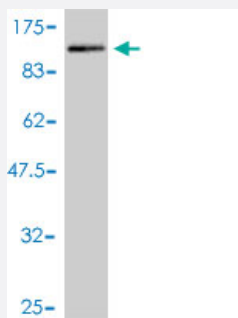
Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged PDLIM5 is approximately 3ng/ml as a capture antibody.



Immunofluorescence

Immunofluorescence of monoclonal antibody to PDLIM5 on A-431 cell.
[antibody concentration 10 ug/ml]



Western Blot detection against Immunogen (91.3 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a full length recombinant PDLIM5.
Immunogen	PDLIM5 (AAH08741, 1 a.a. ~ 596 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MSNYSVSLVGPAWGFRLQGGKDFNMPLTISSLKDGGAQANVRIGDVVLSIDGINAQGMTHLE AQNKIKGCTGSLNMTLQRASAAPKPEPVPVQKGEPKEVVKPVPITSPAVSKVTSTNNMAYNKAP RPFGSVSSPKVTSIPSPSSAFTPAHATTSSHASPSVAAVTPPLFAASGLHANANLSADQSPSAL SAGKTAVNVPRQPTVTSVCSETSQELAEQGRRGSQGDSKQQNGPPRKHIVERYTEFYHVPTHSD ASKKRLIEDTEDWRPRTGTTQSRSFRLAQITGTEHLKESEADNTKKANNSQEPSPQLASSVASTR SMPELDSPTSGRPGVTSLTAAAFKPVGSTGVKSPSWQRPNQGVPTGRISNSAAYSGSVAP ANSALGQTQPSDQDTLVQRAEHIPAGKRTPMCAHCNQVIRGPFLVALGKSWHPEEFNCAHCKNT MAYIGFVEEKGALYCELCYEKFFAPECGRCQRKILGEVINALKQTWHVSCFVCVACGKPIRNNVF HLEDGEPYCETDYALFGTICHGCEFPFIEAGDMFLEALGYTWHDTCFVCSVCCESLEGQTFFSKK DKPLCKKHAHSVNF
Host	Mouse
Reactivity	Human
Isotype	IgG2a kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (91.3 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)

PDLIM5 monoclonal antibody (M01), clone 3E11-F6. Western Blot analysis of PDLIM5 expression in HepG2.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged PDLIM5 is approximately 3ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

- Immunofluorescence

Immunofluorescence of monoclonal antibody to PDLIM5 on A-431 cell. [antibody concentration 10 ug/ml]

Gene Info — PDLIM5

Entrez GeneID [10611](#)

GeneBank Accession# [BC008741](#)

Protein Accession# [AAH08741](#)

Gene Name PDLIM5

Gene Alias ENH, ENH1, L9, LIM

Gene Description PDZ and LIM domain 5

Omim ID [605904](#)

Gene Ontology [Hyperlink](#)

Gene Summary

The protein encoded by this gene is a LIM domain protein. LIM domains are cysteine-rich double zinc fingers composed of 50 to 60 amino acids that are involved in protein-protein interactions. LIM domain-containing proteins are scaffolds for the formation of multiprotein complexes. The proteins are involved in cytoskeleton organization, cell lineage specification, organ development, and oncogenesis. The encoded protein is also a member of the Enigma class of proteins, a family of proteins that possess a 100-amino acid PDZ domain in the N terminus and 1 to 3 LIM domains in the C terminus. Multiple transcript variants encoding different isoforms have been found for this gene, although not all of them have been fully characterized. [provided by RefSeq]

Other Designations

enigma homolog/enigma-like LIM domain protein

Publication Reference

- [Mechanical Sensing Element PDLIM5 Promotes Osteogenesis of Human Fibroblasts by Affecting the Activity of Microfilaments.](#)

Xiaolan Huang, Rongmei Qu, Yan Peng, Yuchao Yang, Tingyu Fan, Bing Sun, Asmat Ullah Khan, Shutong Wu, Kuanhai Wei, Chujiang Xu, Jingxing Dai, Jun Ouyang, Shizhen Zhong.

Biomolecules 2021 May; 11(5):759.

Application: IF, WB-Tr, Human, Human skin fibroblasts

Disease

- [Bipolar Disorder](#)
- [Depressive Disorder](#)
- [Disease Susceptibility](#)
- [Genetic Predisposition to Disease](#)
- [Kidney Failure](#)
- [Prostatic Neoplasms](#)
- [Recurrence](#)
- [Schizophrenia](#)