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PDLIM5 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a full length recombinant PDLIM5.
Catalog # AT3263a

Product Information

Application	WB, IF, E
Primary Accession	Q96HC4
Other Accession	BC008741
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG2a kappa
Clone Names	3E11-F6
Calculated MW	63945

Additional Information

Gene ID	10611
Other Names	PDZ and LIM domain protein 5, Enigma homolog, Enigma-like PDZ and LIM domains protein, PDLIM5, ENH
Target/Specificity	PDLIM5 (AAH08741, 1 a.a. ~ 596 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 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	PDLIM5 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

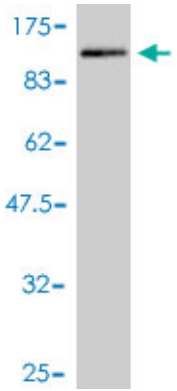
Background

The protein encoded by this gene is 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.

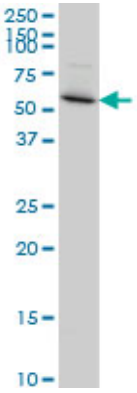
References

Prostate cancer risk-associated variants reported from genome-wide association studies: Meta-analysis and their contribution to genetic Variation. Kim ST, et al. Prostate, 2010 Jun 16. PMID 20564319.Identification of seven new prostate cancer susceptibility loci through a genome-wide association study. Eeles RA, et al. Nat Genet, 2009 Oct. PMID 19767753.Positive association between the PDLIM5 gene and bipolar disorder in the Chinese Han population. Zhao T, et al. J Psychiatry Neurosci, 2009 May. PMID 19448850.Case-control association study of 65 candidate genes revealed a possible association of a SNP of HTR5A to be a factor susceptible to bipolar disease in Bulgarian population. Yosifova A, et al. J Affect Disord, 2009 Sep. PMID 19328558.A case-control association study of the PDLIM5 gene and bipolar disorder in a Sardinian sample. Squassina A, et al. Psychiatr Genet, 2008 Jun. PMID 18496210.

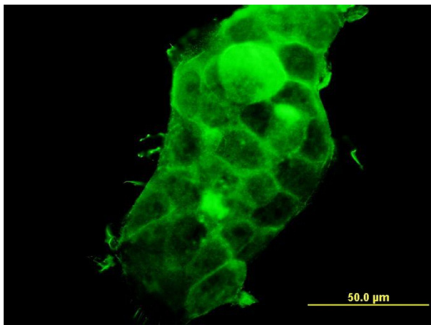
Images



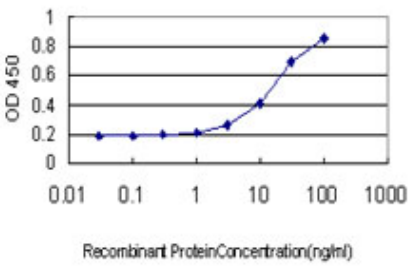
Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (91.3 KDa) .



PDLIM5 monoclonal antibody (M01), clone 3E11-F6 Western Blot analysis of PDLIM5 expression in A-431 ((Cat # AT3263a)



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



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