

PDLIM5 Polyclonal Antibody

Catalog No :	YT3647
Reactivity :	Human;Rat;Mouse;
Applications :	WB;IHC
Target :	PDLIM5
Gene Name :	PDLIM5
Protein Name :	PDZ and LIM domain protein 5
Human Gene Id :	10611
Human Swiss Prot No :	Q96HC4
Mouse Swiss Prot No :	Q8CI51
Immunogen :	The antiserum was produced against synthesized peptide derived from human PDLIM5. AA range:208-257
Specificity :	PDLIM5 Polyclonal Antibody detects endogenous levels of PDLIM5 protein.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500-2000;IHC 1:50-300
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Observed Band :	64kD

Background :

This gene encodes a member of a family of proteins that possess a 100-amino acid PDZ domain at the N terminus and one to three LIM domains at the C-terminus. This family member functions as a scaffold protein that tethers protein kinases to the Z-disk in striated muscles. It is thought to function in cardiomyocyte expansion and in restraining postsynaptic growth of excitatory synapses. Alternative splicing of this gene results in multiple transcript variants. [provided by RefSeq, Jan 2012],

Function :

caution:The sequence shown here is derived from an Ensembl automatic analysis pipeline and should be considered as preliminary data.,disease:May play a role in genetic susceptibility to schizophrenia. PDLIM5 is commonly increased in the brain of patients with bipolar disorder, schizophrenia, and major depression.,function:May play an important role in the heart development by scaffolding PKC to the Z-disk region.,similarity:Contains 1 PDZ (DHR) domain.,similarity:Contains 3 LIM zinc-binding domains.,subunit:Interacts with various PKC isoforms through the LIM domains. Interacts with actin and alpha-actinin through the PDZ domain.,tissue specificity:Heart and skeletal muscle specific.,

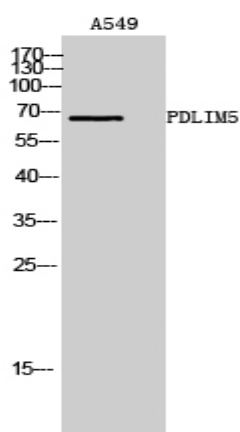
Subcellular Location :

Cell junction, synapse, postsynaptic density . Cell junction, synapse, presynapse . Cell junction, synapse, postsynapse . Cytoplasm, cytosol . Detected both at presynaptic and postsynaptic sites, exclusively at excitatory synapses, but not inhibitory synapses, in hippocampal neurons. .

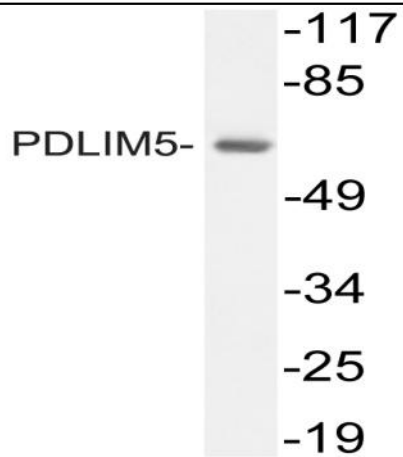
Expression :

Heart and skeletal muscle specific. Expression is commonly increased in the brain of patients with bipolar disorder, schizophrenia, and major depression.

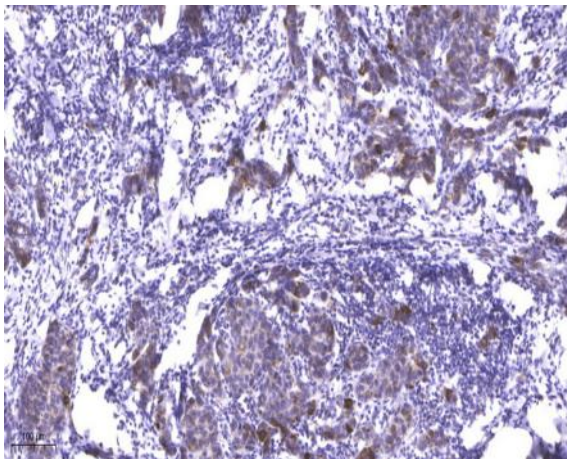
Products Images



Western Blot analysis of A549 cells using PDLIM5 Polyclonal Antibody



Western blot analysis of lysate from A549 cells, using PDLIM5 antibody.



Immunohistochemical analysis of paraffin-embedded human Breast cancer. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).