

## 磷酸化 PDZ 和 LIM 结构域结合蛋白 5 抗体

产品货号： mIR12602

英文名称： phospho-PDLIM5 (Tyr251)

中文名称： 磷酸化 PDZ 和 LIM 结构域结合蛋白 5 抗体

别名： PDLIM5 (phospho Y251); p-PDLIM5 (phospho Y251); ENH; ENH1; Enigma homolog; Enigma like LIM domain protein; Enigma like PDZ and LIM domains protein; Enigma-like PDZ and LIM domains protein; L 9; L9; LIM; PDLI5\_HUMAN; PDLIM5; PDZ and LIM domain 5; PDZ and LIM domain protein 5.

产品类型： 磷酸化抗体

研究领域： 心血管 细胞生物 神经生物学 信号转导 转录调节因子 激酶和磷酸酶 结合蛋白 表观遗传学

抗体来源： Rabbit

克隆类型： Polyclonal

交叉反应： Human,

产品应用： ELISA=1:500-1000 IHC-P=1:400-800 IHC-F=1:400-800 ICC=1:100-500 IF=1:100-500 (石蜡切片需做抗原修复)

not yet tested in other applications.

optimal dilutions/concentrations should be determined by the end user.

分子量： 64kDa

细胞定位： 细胞浆

性 状 : Lyophilized or Liquid

浓 度 : 1mg/ml

免 疫 原 : KLH conjugated synthesised phosphopeptide derived from human PDLIM5 around the phosphorylation site of Tyr251:ER(p-Y)TE

亚 型 : IgG

纯化方法 : affinity purified by Protein A

储 存 液 : 0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.

保存条件 : Store at -20 ° C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20° C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 ° C.

**PubMed :** PubMed

**产品介绍 :** 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:**

May play an important role in the heart development by scaffolding PKC to the Z-disk region. May play a role in the regulation of cardiomyocyte expansion. Overexpression promotes the development of heart hypertrophy. Contributes to the regulation of dendritic spine morphogenesis in neurons. May restrain postsynaptic growth of excitatory synapses.

**Subcellular Location:**

Cell junction > synapse > postsynaptic cell membrane > postsynaptic density. Cell junction > synapse >

synaptosome. Cytoplasm. Detected both at presynaptic and postsynaptic sites.

**Tissue Specificity:**

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

**Similarity:**

Contains 3 LIM zinc-binding domains.

Contains 1 PDZ (DHR) domain.

**SWISS:**

Q96HC4

**Gene ID:**

10611

**Important Note:**

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.