

产品名称: Phospho-Pin1 (Ser16) Rabbit Polyclonal Antibody

产品货号: APRab05249

产品概述 (Summary)

描述(Description)	Rabbit polyclonal Antibody
宿主(Host)	Rabbit
应用(Application)	WB,IHC,ICC/IF,ELISA
种属反应(Reactivity)	Human,Mouse,Rat,Monkey
偶联物(Conjugation)	Unconjugated
修饰(Modification)	Phosphorylated
同种型(Isotype)	IgG
克隆(Clonality)	Polyclonal
剂型(Form)	Liquid
保存条件(Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液(Buffer)	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
纯化 (Purification)	Affinity purification

产品应用(Application)

稀释比(Dilution Ratio)	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:50-1:200,ELISA 1:10000-1:20000
分子量(Molecular Weight)	18kDa

抗原信息(Antigen Information)

基因名(Gene Name)	PIN1
别名(Alternative Names)	PIN1; Peptidyl-prolyl cis-trans isomerase NIMA-interacting 1; Peptidyl-prolyl cis-trans isomerase Pin1; PPlase Pin1; Rotamase Pin1
基因 ID(Gene ID)	5300.0
SwissProt ID	Q13526
免疫原(Immunogen)	The antiserum was produced against synthesized peptide derived from human Pin1 around the phosphorylation site of Ser16. AA range:1-50

研究背景 (Background)

Peptidyl-prolyl cis/trans isomerases (PPlases) catalyze the cis/trans isomerization of peptidyl-prolyl peptide bonds. This gene

encodes one of the PPlases, which specifically binds to phosphorylated ser/thr-pro motifs to catalytically regulate the post-phosphorylation conformation of its substrates. The conformational regulation catalyzed by this PPlase has a profound impact on key proteins involved in the regulation of cell growth, genotoxic and other stress responses, the immune response, induction and maintenance of pluripotency, germ cell development, neuronal differentiation, and survival. This enzyme also plays a key role in the pathogenesis of Alzheimer's disease and many cancers. Multiple alternatively spliced transcript variants have been found for this gene.[provided by RefSeq, Jun 2011],catalytic activity:Peptidylproline (omega=180) = peptidylproline (omega=0).,domain:The WW domain is required for the interaction with STIL and MPHOSPH1.,function:Essential PPlase that regulates mitosis presumably by interacting with NIMA and attenuating its mitosis-promoting activity. Displays a preference for an acidic residue N-terminal to the isomerized proline bond. Catalyzing pSer/Thr-Pro cis/trans isomerizations.,PTM:Phosphorylated upon DNA damage, probably by ATM or ATR.,similarity:Contains 1 PpiC domain.,similarity:Contains 1 WW domain.,subunit:Interacts with STIL (By similarity). Interacts with MPHOSPH1.,

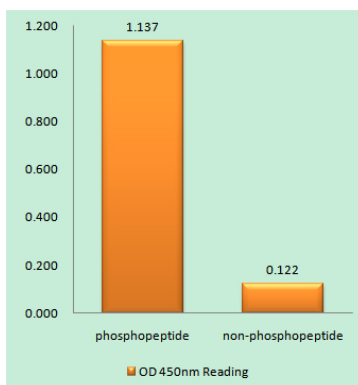
研究领域 (Research Area)

RIG-I-like receptor;

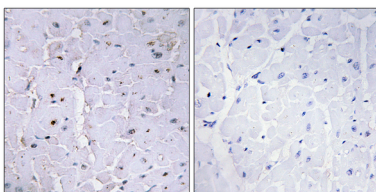
注意事项 (Note)

For research use only.

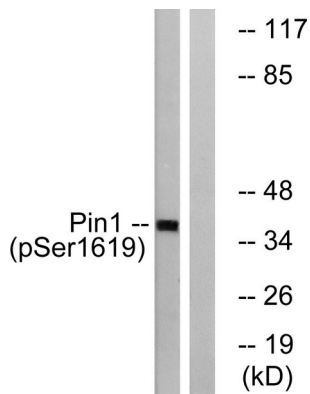
图片 (Image Data)



Enzyme-Linked Immunosorbent Assay (Phospho-ELISA) for Immunogen Phosphopeptide (Phospho-left) and Non-Phosphopeptide (Phospho-right) , using Pin1 (Phospho-Ser16) Antibody



Immunohistochemistry analysis of paraffin-embedded human heart, using Pin1 (Phospho-Ser16) Antibody. The picture on the right is blocked with the phosphopeptide.



Western blot analysis of lysates from COS7 cells treated with insulin 0.01U/ml 15', using Pin1 (Phospho-Ser16) Antibody. The lane on the right is blocked with the phospho peptide.

EnkiLife 优势产品推荐

产品类别	产品货号	产品名称
WB 解决方案	RA10020	2h 极速 WB 即用型全流程试剂盒
	RA10021	4h 快速 WB 即用型全流程试剂盒
	RA10042	5h 畅享版 WB 全流程试剂盒
	RA10037	校准级彩色预染蛋白 Marker (8-180kDa)
	RA10038	校准级彩色预染蛋白 Marker (10-250kDa)
	RA10039	校准级高分子彩色预染蛋白 Marker (25-400kDa)
TSA 多重荧光染色试剂盒	RA10008	TSA 双标三色多重荧光染色试剂盒 (mIHC)
	RA10009	TSA 三标四色多重荧光染色试剂盒 (mIHC)
	RA10010	TSA 四标五色多重荧光染色试剂盒 (mIHC)
	RA10011	TSA 五标六色多重荧光染色试剂盒 (mIHC)
	RA10012	TSA 六标七色多重荧光染色试剂盒 (mIHC)
IHC 检测试剂盒	RA10006	HRP Anti-Mouse/Rabbit IHC Detection System
	RA10007	Polymer-HRP Anti-Mouse/Rabbit IHC Detection System
抗体标记试剂盒	RE80004p	辣根过氧化物酶(HRP)抗体标记试剂盒
	RE80002q	Sulfo-NHS-生物素标记试剂盒
	RE80007p	Cy3 荧光素标记试剂盒
	RE80011p	Fluor488 荧光素标记试剂盒
	RE80017p	Fluor750 荧光素标记试剂盒
	RE80005p	藻红蛋白(R-PE) 抗体快速标记试剂盒
	RE80040	PE-Cy7 串联染料抗体快速标记试剂盒
稳转细胞系构建服务 (免费赠送全膜 WB 验证)	TS-0001	过表达稳转细胞系构建
	TS-0002	敲低稳转细胞系构建
	TS-0003	敲除细胞系构建

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