

产品名称: Pin1 (phospho Ser16) Rabbit Polyclonal Antibody
产品货号: AP Rab05249



产品概述 (Summary)

产品名称 (Production Name)	Pin1 (phospho Ser16) Rabbit Polyclonal Antibody
描述 (Description)	Rabbit polyclonal Antibody
宿主 (Host)	Rabbit
应用 (Application)	WB,IHC,ICC/IF,ELISA
种属反应性 (Reactivity)	Human,Mouse,Rat,Monkey

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Phosphorylated
同种型 (Isotype)	IgG
克隆 (Clonality)	Polyclonal
形式 (Form)	Liquid
存放说明 (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.
纯化方式 (Purification)	Affinity purification

免疫原信息 (Immunogen)

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
蛋白 ID (SwissProt ID)	Q13526.The antiserum was produced against synthesized peptide derived from human Pin1 around the phosphorylation site of Ser16. AA range:1-50

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
蛋白分子量 (Molecular Weight)	18kDa

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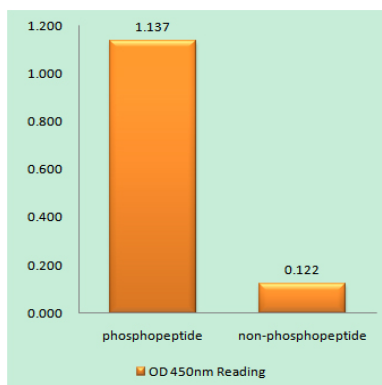
研究背景 (Background)

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)

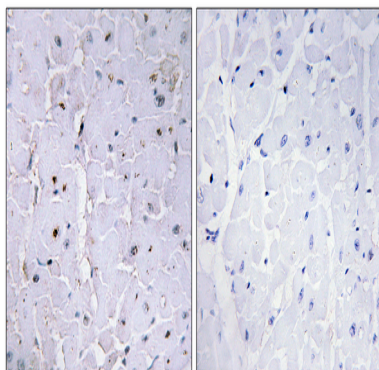
RIG-I-like receptor;

图片 (Image Data)

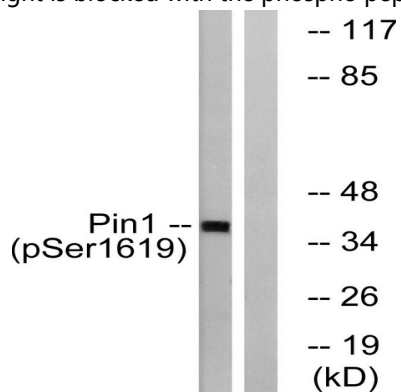


Enzyme-Linked Immunosorbent Assay (Phospho-ELISA) for Immunogen Phosphopeptide (Phospho-left) and Non-Phosphopeptide (Phospho-right), using Pin1 (Phospho-Ser16) Antibody

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



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.

注意事项 (Note)

For research use only .