

产品名称: SIK1 Rabbit Polyclonal Antibody

产品货号: APRab17898

产品概述 (Summary)

描述(Description)	Rabbit polyclonal Antibody
宿主(Host)	Rabbit
应用(Application)	WB,IHC
种属反应(Reactivity)	Human,Rat
偶联物(Conjugation)	Unconjugated
修饰(Modification)	Unmodified
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 1:50-1:300
分子量(Molecular Weight)	85kDa

抗原信息(Antigen Information)

基因名(Gene Name)	SIK1 SIK1; SIK; SNF1LK; Serine/threonine-protein kinase SIK1; Salt-inducible kinase 1; SIK-1;
别名(Alternative Names)	Serine/threonine-protein kinase SNF1-like kinase 1; Serine/threonine-protein kinase SNF1LK
基因 ID(Gene ID)	150094.0
SwissProt ID	P57059
免疫原(Immunogen)	The antiserum was produced against synthesized peptide derived from human SIK. AA range:148-197

研究背景 (Background)

catalytic activity:ATP + a protein = ADP + a phosphoprotein.,cofactor:Magnesium.,enzyme regulation:Activated by phosphorylation on Thr-182 by STK11 in complex with STE20-related adapter-alpha (STRAD alpha) pseudo kinase and CAB39.,function:Transient role during the earliest stages of myocardial cell differentiation and/or primitive chamber formation and may also be important for the earliest stages of skeletal muscle growth and/or differentiation. Potential role in G2/M cell cycle regulation. Inhibits CREB activity by phosphorylating and repressing the CREB-specific coactivators, CRTC1-3.,PTM:Phosphorylated upon DNA damage, probably by ATM or ATR.,similarity:Belongs to the protein kinase superfamily. CAMK Ser/Thr protein kinase family. AMPK subfamily.,similarity:Contains 1 protein kinase domain.,similarity:Contains 1 UBA domain.,subcellular location:Translocates to the cytoplasm on phosphorylation where it binds binding to YWHAZ.,subunit:Binds to and is activated by YWHAZ when phosphorylated on Thr-182.,catalytic activity:ATP + a protein = ADP + a phosphoprotein.,cofactor:Magnesium.,enzyme regulation:Activated by phosphorylation on Thr-182 by STK11 in complex with STE20-related adapter-alpha (STRAD alpha) pseudo kinase and CAB39.,function:Transient role during the earliest stages of myocardial cell differentiation and/or primitive chamber formation and may also be important for the earliest stages of skeletal muscle growth and/or differentiation. Potential role in G2/M cell cycle regulation. Inhibits CREB activity by phosphorylating and repressing the CREB-specific coactivators, CRTC1-3.,PTM:Phosphorylated upon DNA damage, probably by ATM or ATR.,similarity:Belongs to the protein kinase superfamily. CAMK Ser/Thr protein kinase family. AMPK subfamily.,similarity:Contains 1 protein kinase domain.,similarity:Contains 1 UBA domain.,subcellular location:Translocates to the cytoplasm on phosphorylation where it binds binding to YWHAZ.,subunit:Binds to and is activated by YWHAZ when phosphorylated on Thr-182.,

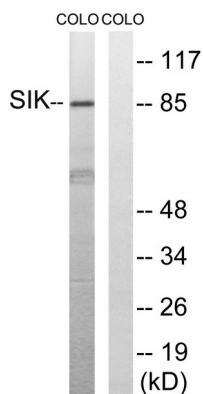
研究领域 (Research Area)

Cell Biology; Cell Cycle; Kinases/Phosphatases; Signal Transduction; Protein Phosphorylation; Ser / Thr Kinases; Other Kinases; Epigenetics and Nuclear Signaling; Chromatin Modifying Enzymes; Acetylation; HDACs; Class II / Hda1 Class; Cardiovascular; Heart; Cardiogenesis; Cardiomyocyte precursors; Myocardial regeneration

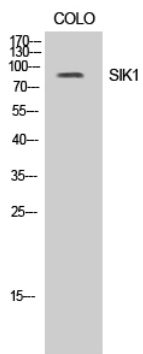
注意事项 (Note)

For research use only.

图片 (Image Data)



Western blot analysis of lysates from COLO205 cells, treated with PMA 125ng/ml 30', using SIK Antibody. The lane on the right is blocked with the synthesized peptide.



Western Blot analysis of COLO cells using SIK1 Polyclonal Antibody

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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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