

产品名称: Phospho-Crk II (Tyr221) Rabbit Polyclonal Antibody

产品货号: APRab04500

产品概述 (Summary)

描述(Description)	Rabbit polyclonal Antibody
宿主(Host)	Rabbit
应用(Application)	WB, 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, ICC/IF 1:200-1:1000, ELISA 1:20000-1:40000
分子量(Molecular Weight)	40kDa

抗原信息(Antigen Information)

基因名(Gene Name)	CRK
别名(Alternative Names)	CRK; Adapter molecule crk; Proto-oncogene c-Crk; p38
基因 ID(Gene ID)	1398.0
SwissProt ID	P46108
免疫原(Immunogen)	The antiserum was produced against synthesized peptide derived from human CrkII around the phosphorylation site of Tyr221. AA range:187-236

研究背景 (Background)

This gene encodes a member of an adapter protein family that binds to several tyrosine-phosphorylated proteins. The product of this gene has several SH2 and SH3 domains (src-homology domains) and is involved in several signaling pathways, recruiting

cytoplasmic proteins in the vicinity of tyrosine kinase through SH2-phosphotyrosine interaction. The N-terminal SH2 domain of this protein functions as a positive regulator of transformation whereas the C-terminal SH3 domain functions as a negative regulator of transformation. Two alternative transcripts encoding different isoforms with distinct biological activity have been described. [provided by RefSeq, Jul 2008],domain:The C-terminal SH3 domain function as a negative modulator for transformation and the N-terminal SH3 domain appears to function as a positive regulator for transformation.,domain:The SH2 domain mediates interaction with SHB.,function:The Crk-I and Crk-II forms differ in their biological activities. Crk-II has less transforming activity than Crk-I. Crk-II mediates attachment-induced MAPK8 activation, membrane ruffling and cell motility in a Rac-dependent manner. Involved in phagocytosis of apoptotic cells and cell motility via its interaction with DOCK1 and DOCK4.,PTM:Phosphorylated on Tyr-221 upon cell adhesion. Results in the negative regulation of the association with SH2- and SH3-binding partners, possibly by the formation of an intramolecular interaction of phosphorylated Tyr-221 with the SH2 domain. This leads finally to the down-regulation of the Crk signaling pathway.,PTM:Phosphorylation of Crk-II (40 kDa) gives rise to a 42 kDa form.,similarity:Contains 1 SH2 domain.,similarity:Contains 1 SH3 domain.,similarity:Contains 2 SH3 domains.,subcellular location:Translocated to the plasma membrane upon cell adhesion.,subunit:Interacts with ABL1, C3G, SOS, MAP4K1, MAPK8 and DOCK3 via its first SH3 domain. Interacts with BCAR1, CBL, CBLB, PXN, IRS4 and GAB1 via its SH2 domain upon stimulus-induced tyrosine phosphorylation. Interacts with several tyrosine-phosphorylated growth factor receptors such as EGFR, PDGFR and INSR via its SH2 domain (By similarity). Interacts with DOCK1 and DOCK4. Interacts with SHB.,

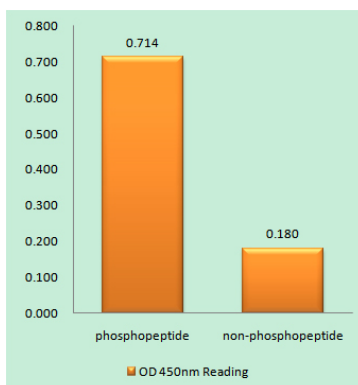
研究领域 (Research Area)

MAPK_ERK_Growth;MAPK_G_Protein;ErbB_HER;Chemokine;Focal adhesion;Fc gamma R-mediated phagocytosis;Neurotrophin;Regulates Actin and Cytoskeleton;Insulin_Receptor;Pathways in cancer;Renal cell carcinoma;Chronic myeloid leukemia;

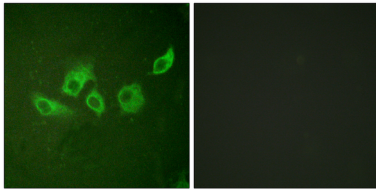
注意事项 (Note)

For research use only.

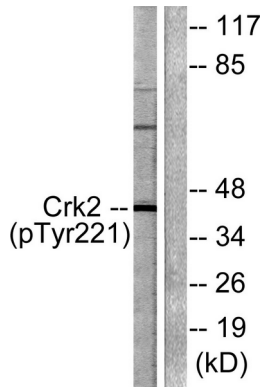
图片 (Image Data)



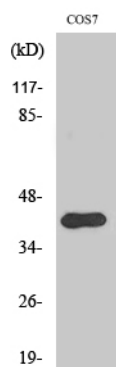
Enzyme-Linked Immunosorbent Assay (Phospho-ELISA) for Immunogen Phosphopeptide (Phospho-left) and Non-Phosphopeptide (Phospho-right) , using CrkII (Phospho-Tyr221) Antibody



Immunofluorescence analysis of HUVEC cells, using CrkII (Phospho-Tyr221) Antibody. The picture on the right is blocked with the phospho peptide.



Western blot analysis of lysates from COS7 cells, using CrkII (Phospho-Tyr221) Antibody. The lane on the right is blocked with the phospho peptide.



Western Blot analysis of various cells using Phospho-Crk II (Y221) Polyclonal Antibody

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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