

产品名称: Crk II Rabbit Polyclonal Antibody
产品货号: AP Rab09402



产品概述 (Summary)

产品名称 (Production Name)	Crk II 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)	Unmodified
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)	CRK
别名 (Alternative Names)	CRK; Adapter molecule crk; Proto-oncogene c-Crk; p38
基因 ID (Gene ID)	1398.0
蛋白 ID (SwissProt ID)	P46108.The antiserum was produced against synthesized peptide derived from human CrkII. AA range:187-236

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:200-1:1000,ELISA 1:5000-1:10000
蛋白分子量 (Molecular Weight)	40kDa

研究背景 (Background)

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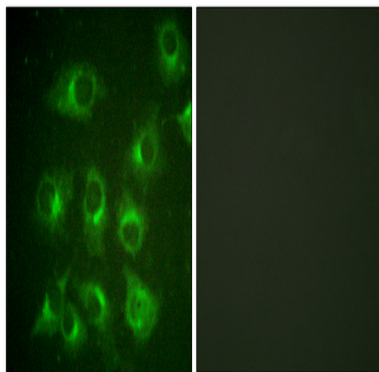


This gene encodes a member of an adapter protein family that binds to several tyrosine-phosphorylated proteins. The product of this gene has several SH2 and SH3 domains (src-homology domains) and is involved in several signaling pathways, recruiting cytoplasmic proteins in the vicinity of tyrosine kinase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

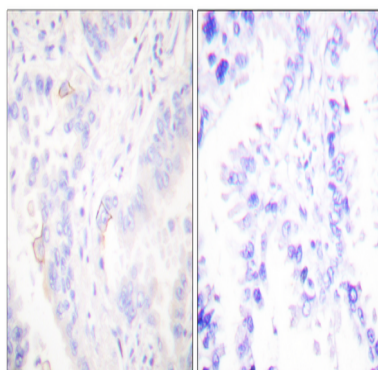
MAPK_ERK_Growth;MAPK_G_Protein;ErbB_HER;Chemokine;Focal adhesion;Fc gamma R-mediated phagocytosis;Neurotrophin;Regulates Actin and Cytoskeleton;Insulin_Receptor;Pathways in cancer;Renal cell carcinoma;Chronic myeloid leukemia;

图片 (Image Data)

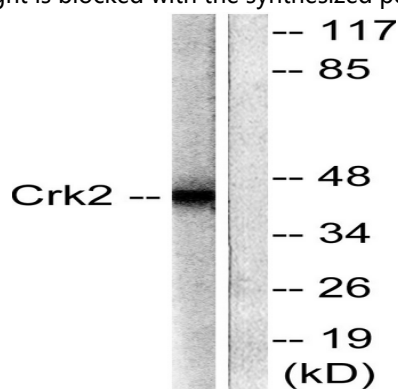


Immunofluorescence analysis of HUVEC cells, using CrkII Antibody. The picture on the right is blocked with the synthesized peptide.

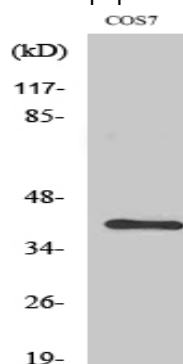
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Immunohistochemistry analysis of paraffin-embedded human lung carcinoma tissue, using CrkII Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from COS7 cells, using CrkII Antibody. The lane on the right is blocked with the synthesized peptide.



Western Blot analysis of various cells using Crk II Polyclonal Antibody

注意事项 (Note)

For research use only .