

Phospho-CRK(S41) Antibody

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP3304a

Product Information

Application	DB, E
Primary Accession	P46108
Other Accession	Q63768 , Q64010 , Q96GA9
Reactivity	Human
Predicted	Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB17175
Calculated MW	33831

Additional Information

Gene ID	1398
Other Names	Adapter molecule crk, Proto-oncogene c-Crk, p38, CRK
Target/Specificity	This CRK Antibody is generated from rabbits immunized with a KLH conjugated synthetic phosphopeptide corresponding to amino acid residues surrounding S41 of human CRK.
Dilution	DB~~1:500 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	Phospho-CRK(S41) Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	CRK
Function	Involved in cell branching and adhesion mediated by BCAR1- CRK-RAPGEF1 signaling and activation of RAP1.
Cellular Location	Cytoplasm. Cell membrane. Note=Translocated to the plasma membrane

upon cell adhesion.

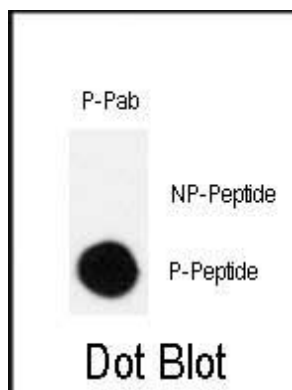
Background

CRK is a member of an adapter protein family that binds to several tyrosine-phosphorylated proteins. It 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.

References

Bougnères, L., et al., J. Cell Biol. 166(2):225-235 (2004).
Stoletov, K.V., et al., Exp. Cell Res. 295(1):258-268 (2004).
Miller, C.T., et al., Oncogene 22(39):7950-7957 (2003).
Sun, J., et al., J. Biol. Chem. 278(35):32794-32800 (2003).
Zhang, X.A., et al., J. Biol. Chem. 278(29):27319-27328 (2003).

Images



Dot blot analysis of Phospho-CRK-S41 polyclonal antibody (Cat# AP3304a) on nitrocellulose membrane. 50ng of Phospho-peptide or Non Phospho-peptide per dot were adsorbed. Antibody working concentration was 0.5ug per ml. P-Pab: phospho-antibody; P-Peptide: phospho-peptide; NP-Peptide: non-phospho-peptide.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.