

**Phospho-CRK(S41) Antibody**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP3304a**

**Specification**

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**Phospho-CRK(S41) Antibody - Product Information**

Application	DB,E
Primary Accession	<a href="#">P46108</a>
Other Accession	<a href="#">Q63768</a> , <a href="#">Q64010</a> , <a href="#">Q96GA9</a>
Reactivity	Human
Predicted	Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	33831

**Phospho-CRK(S41) Antibody - 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.

**Phospho-CRK(S41) Antibody - Protein Information**

**Name** CRK

**Function** Involved in cell branching and adhesion mediated by BCAR1- CRK-RAPGEF1 signaling

and activation of RAP1.

#### **Cellular Location**

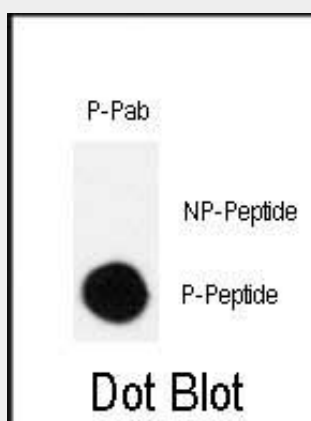
Cytoplasm. Cell membrane. Note=Translocated to the plasma membrane upon cell adhesion.

#### **Phospho-CRK(S41) Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

#### **Phospho-CRK(S41) Antibody - 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.

#### **Phospho-CRK(S41) Antibody - 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.

#### **Phospho-CRK(S41) Antibody - References**

Bougneres, 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).  
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Zhang, X.A., et al., J. Biol. Chem. 278(29):27319-27328 (2003).