

CRK Antibody
Purified Mouse Monoclonal Antibody
Catalog # AO1607a**Specification****CRK Antibody - Product Information**

Application	WB, IHC, FC, ICC, E
Primary Accession	P46108
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Isotype	IgG2b
Calculated MW	42kDa KDa

Description

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.

Immunogen

Purified recombinant fragment of human CRK expressed in E. Coli.

Formulation

Ascitic fluid containing 0.03% sodium azide.

CRK Antibody - Additional Information

Gene ID 1398

Other Names

Adapter molecule crk, Proto-oncogene c-Crk, p38, CRK

Dilution

WB~~1/500 - 1/2000

IHC~~1/200 - 1/1000

FC~~1/200 - 1/400

ICC~~N/A

E~~1/10000

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

CRK Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

CRK Antibody - Protein Information

Name CRK

Function

Involved in cell branching and adhesion mediated by BCAR1- CRK-RAPGEF1 signaling and activation of RAP1.

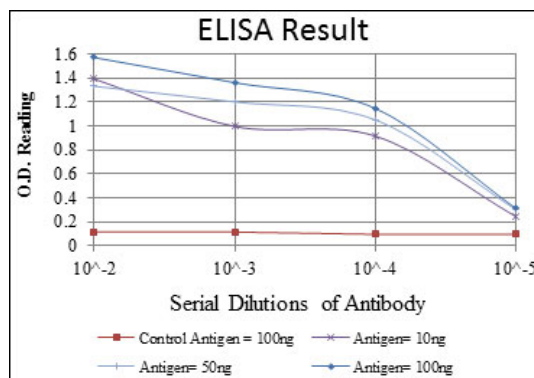
Cellular Location

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

CRK 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](#)



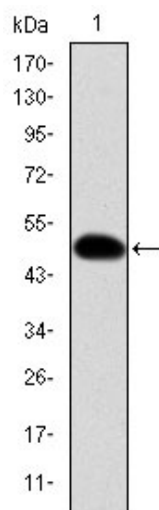


Figure 1: Western blot analysis using CRK mAb against human CRK (AA: 1-204) recombinant protein. (Expected MW is 48.4 kDa)

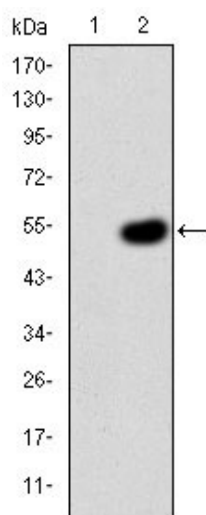


Figure 2: Western blot analysis using CRK mAb against HEK293 (1) and CRK(AA: 1-204)-hIgGFc transfected HEK293 (2) cell lysate.

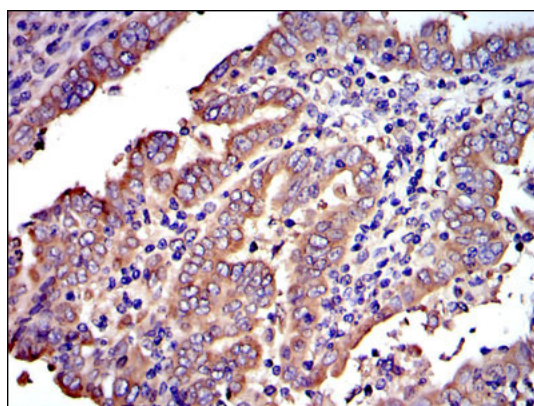


Figure 3: Immunohistochemical analysis of paraffin-embedded intima cancer tissues using CRK mouse mAb with DAB staining.

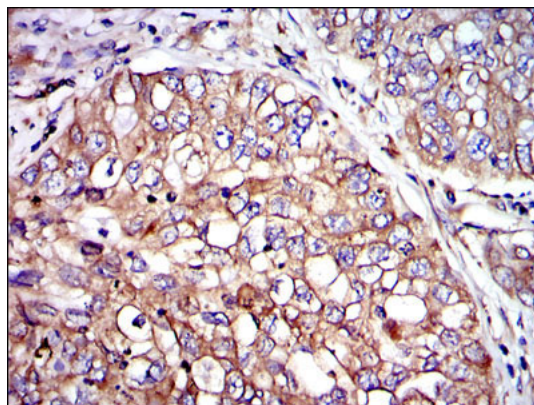


Figure 4: Immunohistochemical analysis of paraffin-embedded lung cancer tissues using CRK mouse mAb with DAB staining.

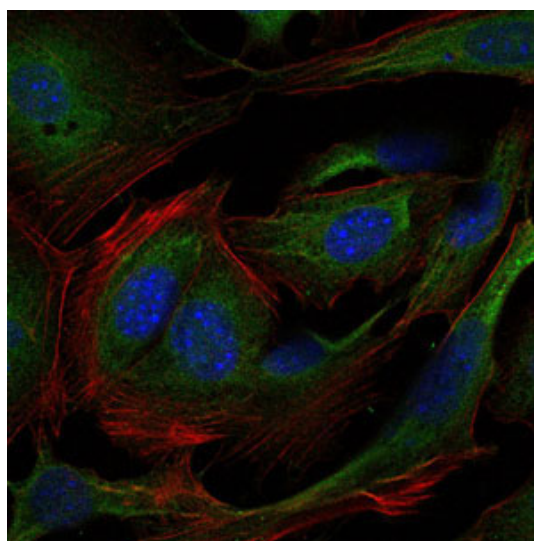


Figure 5: Immunofluorescence analysis of 3T3-L1 cells using CRK mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.

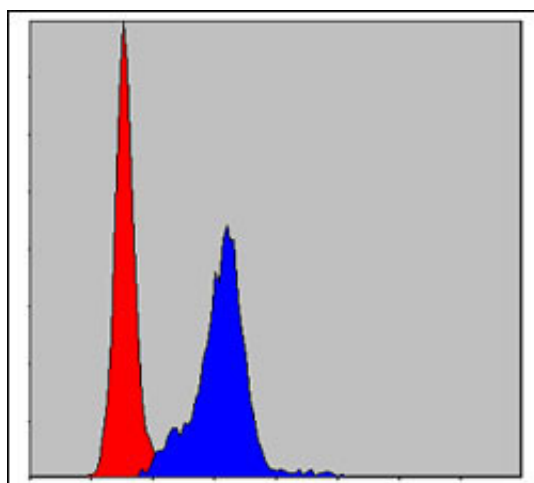


Figure 6: Flow cytometric analysis of Hela cells using CRK mouse mAb (blue) and negative control (red).

CRK Antibody - References

1. Seikagaku. 2009 May;81(5):361-76. 2. Mol Cancer Res. 2009 Sep;7(9):1582-92.