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CRK Antibody

Purified Mouse Monoclonal Antibody
Catalog # AO1607a

Product Information

Application	WB, IHC, FC, ICC, E
Primary Accession	P46108
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Clone Names	3G11E8
Isotype	IgG2b
Calculated MW	33831
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.

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.

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.

References

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

Images

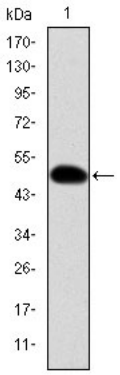

Figure 1: Western blot analysis using CRK mAb against human CRK (AA: 1-204) recombinant protein. (Expected MW is 48.4 kDa)

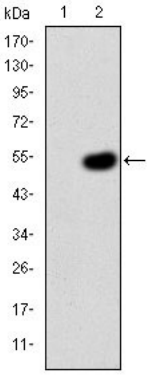

Figure 2: Western blot analysis using CRK mAb against HEK293 (1) and CRK(AA: 1-204)-hIgGFc transfected HEK293 (2) cell lysate.

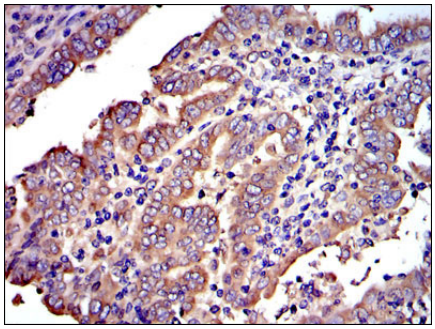

Figure 3: Immunohistochemical analysis of paraffin-embedded intima cancer tissues using CRK mouse mAb with DAB staining.

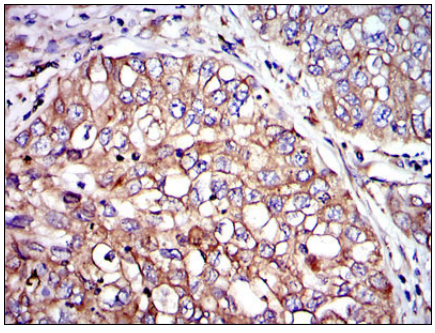

Figure 4: Immunohistochemical analysis of paraffin-embedded lung cancer tissues using CRK mouse mAb with DAB staining.

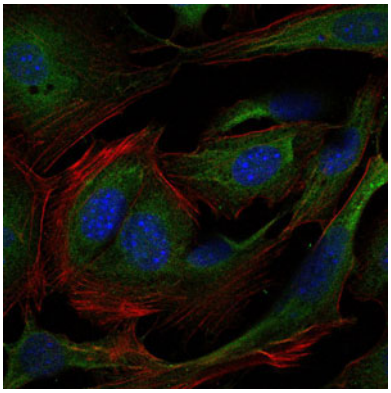

Figure 5: Immunofluorescence analysis of 3T3-L1 cells using CRK mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.

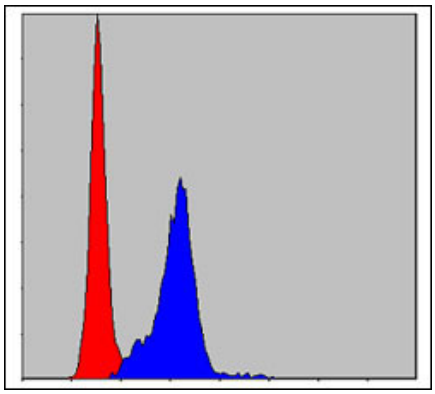

Figure 6: Flow cytometric analysis of Hela cells using CRK mouse mAb (blue) and negative control (red).