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# CRK Antibody

Purified Mouse Monoclonal Antibody
Catalog # AO1606a

## Product Information

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|---|---|
| **Application** | WB, IHC, FC, ICC, E |
| **Primary Accession** | P46108 |
| **Reactivity** | Human |
| **Host** | Mouse |
| **Clonality** | Monoclonal |
| **Clone Names** | 3G11C1 |
| **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

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| **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

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| **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

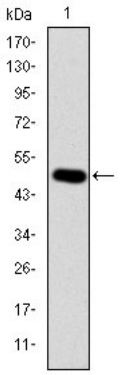



Figure 1: Western blot analysis using CRK mAb against human CRK (AA: 1-204) recombinant protein. (Expected MW is 48.4 kDa)

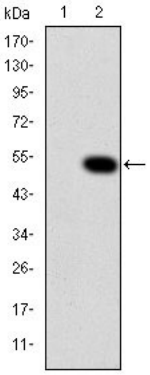



Figure 2: Western blot analysis using CRK mAb against HEK293 (1) and CRK(AA: 1-204)-hIgGFc transfected HEK293 (2) cell lysate.

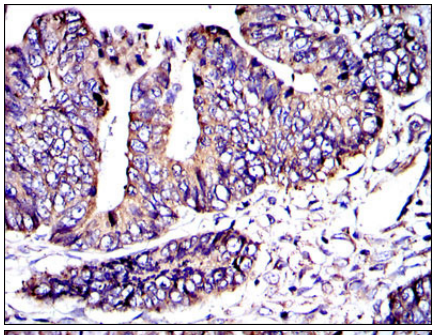


Figure 3: Immunohistochemical analysis of paraffin-embedded rectum cancer tissues using CRK mouse mAb with DAB staining.

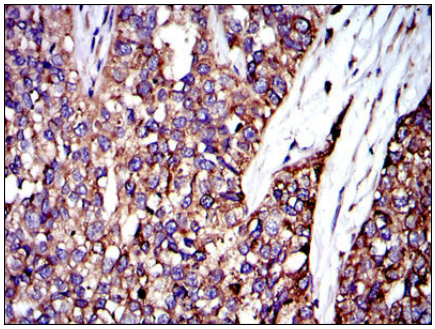


Figure 4: Immunohistochemical analysis of paraffin-embedded bladder cancer tissues using CRK mouse mAb with DAB staining.

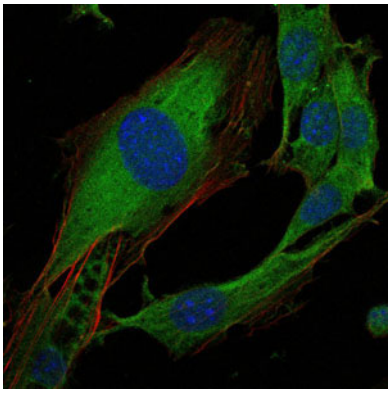


Figure 5: Immunofluorescence analysis of 3T3-L1 cells using CRK mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.

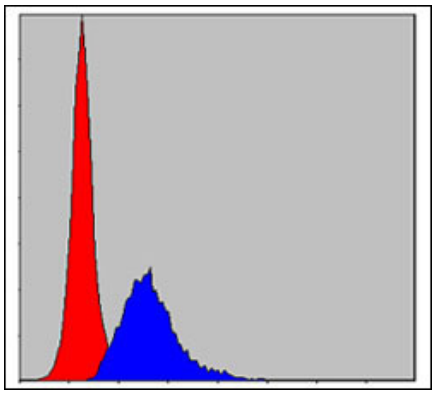


Figure 6: Flow cytometric analysis of MCF-7 cells using CRK mouse mAb (blue) and negative control (red).

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